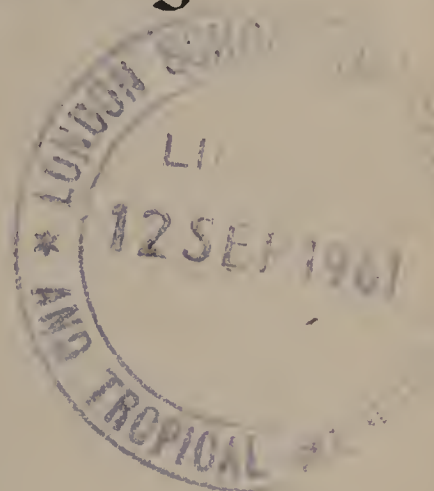


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Borough of Worthing



ANNUAL REPORT

on the

HEALTH OF WORTHING

and

Meteorological Observations for the Year 1959

G. H. PRINGLE
M.R.C.S., L.R.C.P., D.P.H.
Medical Officer of Health

Borough of Worthing



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HEALTH OF WORTHING

and

**Meteorological Observations
for the Year**

1959

G. H. PRINGLE

M.R.C.S., L.R.C.P., D.P.H.

Medical Officer of Health

HEALTH DEPARTMENT,
WORTHING LODGE,
STOKE ABBOTT ROAD,
WORTHING.
(TELEPHONE: WORTHING 7802)



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HEALTH DEPARTMENT,
WORTHING LODGE,
STOKE ABBOTT ROAD,
WORTHING.

August, 1960.

To the Mayor, Aldermen and Councillors of the Borough of Worthing.

MR. MAYOR, LADIES AND GENTLEMEN,

I present herewith my thirteenth Annual Report on the Health of Worthing, together with the Meteorological Observations for the year.

Statistics.—The general health of the town was satisfactory during the year. The Infantile Mortality Rate of 12.7 per 1,000 live births was the lowest ever recorded in the Borough ; it compares with a figure of 22.2 for England and Wales as a whole. On the other hand one cannot ignore a sharp rise in the Stillbirth Rate from 11.2 per 1,000 total births in 1958 to 24.8 in 1959.

Infectious Diseases.—For the twelfth year in succession there were no cases of diphtheria. It is hoped that poliomyelitis vaccination will prove as successful as immunisation against diphtheria. At the time of writing this report the approximate response to vaccination in the Borough is as follows: up to 5 years, 90% ; 5-15 years, 50% ; 25-40 years, 10%. Supplies of vaccine are now adequate and, in addition to vaccinations by the family doctors, a regular session is held at the Central Clinic every Saturday morning at which persons of any of the prescribed age groups can attend without appointment.

At the end of the report there is a short summary of the work carried out in the Borough under the National Health Service Act, 1946, Part 3 Services.

I should like to express my appreciation of the helpful support and the interest taken in all the Health Services of the Borough by the Chairman and Members of the Health Committee and by other Members of the Council.

I also wish to record my sincere thanks to Dr. Aitken, my Deputy, to Mr. White and the District Inspectors and to every member of the staff for all their assistance and co-operation.

I am,

Mr. Mayor, Ladies and Gentlemen,

Your obedient servant,

G. H. PRINGLE,
Medical Officer of Health.

HEALTH COMMITTEE :

(as at 31st December, 1959)

Chairman: COUNCILLOR MRS. D. STAPLETON SKINNER, B.A.

Vice-Chairman: ALDERMAN T. A. CLIFFORD

ALDERMAN R. A. MITCHELL	COUNCILLOR G. HYDER
COUNCILLOR MRS. E. D. BIRCH	COUNCILLOR R. S. JARVIS
COUNCILLOR A. H. W. BOWLES	COUNCILLOR MRS. M. I. KEELE
COUNCILLOR C. W. W. COOPER	COUNCILLOR G. N. D. LOCOCK
	COUNCILLOR MRS. H. M. PERYER

HEALTH DEPARTMENT STAFF :

(as at 31.12.59)

Medical Officer of Health

G. H. PRINGLE, M.R.C.S., L.R.C.P., D.P.H.

Deputy Medical Officer of Health

J. C. AITKEN, M.B., CH.B., D.P.H.

Chief Public Health Inspector ... S. S. WHITE, M.A.P.H.I., A.M.I.P.H.E.

Deputy Chief Public Health Inspector ... H. F. JOWETT, M.A.P.H.I.

District Public Health Inspectors : ... M. BLAKE
P. E. CHATTELLE, M.A.P.H.I.
G. T. PARSONS, M.A.P.H.I.

Clerical Staff :

Chief Clerk : ... T. L. CANTON

Clerks : ... MISS P. MOAKES
MRS. H. M. J. BUTLER
MRS. P. M. LOWE
MISS G. OWEN

Meteorological Observers : .. T. L. CANTON
M. BLAKE
P. E. CHATTELLE

Other Staff :

Rodent Operators : ... F. J. MARIGOLD
J. H. OGLESBY

Disinfector and General Assistant : ... F. A. McLOUGHLIN

STATISTICS, 1959

Area of Municipal Borough, including foreshore	..	8512.742 acres
Population (Census 1921)	.. .. .	31,520
Population (Census 1931)	.. .. .	46,230
Population (Census 1951)	.. .. .	69,431
Registrar-General's Estimate of Resident Population (1959)	..	75,260
Number of inhabited houses (1921)	.. .. .	7,710
Number of inhabited houses (1959)	.. .. .	28,250
Rateable Value (1959)	.. .. .	£1,864,802
Sum represented by a penny rate (1959)	.. .. .	£7,685

BIRTHS

<i>Live Births: (708)</i>		<i>Males</i>	<i>Females</i>	<i>Total</i>
Legitimate	..	354	307	661
Illegitimate	..	26	21	47
		—	—	—
		380	328	708
		—	—	—

Live birth rate per 1,000 population (Standard)	.. .. .	9.4
„ „ „ „ „ „ (Corrected)	.. .. .	10.9
Illegitimate Live Births per cent of total live births	.. .. .	6.6

<i>Still-births: (18)</i>		<i>Males</i>	<i>Females</i>	<i>Total</i>
Legitimate	..	11	6	17
Illegitimate	..	1	—	1
		—	—	—
		12	6	18
		—	—	—

Still-birth rate per 1,000 total live and still-births	.. .. .	24.8
Total live and still-births	.. .. .	726

Infant deaths—under 1 year: (9)

		<i>Males</i>	<i>Females</i>	<i>Total</i>
Legitimate	..	1	7	8
Illegitimate	..	—	1	1
		—	—	—
		1	8	9
		—	—	—

Total infant death rate per 1,000 total live births	..	..	..	12.7
Legitimate „ „ „ „ legitimate live births	..	..		12.1
Illegitimate „ „ „ „ illegitimate live births	..	..		21.3
Neo Natal (first four weeks) mortality rate per 1,000 live births	..			9.9
Early Neo Natal (first week) mortality rate per 1,000 live births	..			8.5
Perinatal Mortality Rate (still-births and deaths under 1 week combined per 1,000 total live and still-births)	..	..		33.1
Maternal deaths (including abortion)	..	..	..	—
Maternal mortality rate per 1,000 live and still-births	..	..		—

DEATHS:

Deaths (all causes)	..	..	..	..	..	..	1,593
Death rate per 1,000 population (Standard)	..	..	..	..			21.3
„ „ „ „ „ (Corrected)	..	..	..				13.4

METEOROLOGY:

Mean annual temperature (1959)	..	..	..	..	52.9 deg. Fahr.
Total rainfall (1959)	..	..	..	..	23.47 inches
Hours of bright sunshine (1959)	..	..	..	..	2123.9 hours
(Daily average, 5.82 hours; Summer, 8.40 hours; Winter, 3.22 hours)					

POPULATION

The Registrar-General's estimate of the mid-year population of Worthing was 75,260, as compared with 74,550 in 1958, and this estimate has been adopted for the purposes of the statistics contained in this Report.

BIRTHS

On analysis of the Vital Statistics set out in this section, it will be observed that the number of births (live and still) registered during 1959 was 726, of which 392 were males and 334 females; of these, 48 births (27 male and 21 female) were registered as illegitimate.

The Registrar-General provides a factor for the purpose of rendering the birth-rate of the Borough comparable with that of a district the population of which is of standard age and sex distribution. Accordingly the birth-rate is now multiplied by this factor which represents the birth-rate for comparison with other districts. The live birth-rate of Worthing for 1959 adjusted in this manner is raised from 9.4 to 10.9 per 1,000 of population. The birth-rate for England and Wales is 16.5 per 1,000.

Illegitimate births numbered 48, or 6.6 per cent. of the total births.

STILL - BIRTHS

The registration of still-births is made compulsory by the Births and Deaths Registration Act, 1953.

During 1959 there were 18 still-births registered to Worthing residents representing a still-birth rate of 24.8 per 1,000 births (live and still) registered. One of the still-births was illegitimate.

DEATHS

The number of deaths registered in the Borough during 1959 was 1,545. Of these 229 were deaths of non-residents and were transferred to the districts in which the persons ordinarily resided. There were, on the other hand, 277 deaths of Worthing residents registered outside the Borough. The total (corrected) number of deaths assigned to the Borough was 1,593 (males 664, females 929). This gives a recorded death-rate of 21.3 compared with 11.6 for England and Wales. This recorded death-rate, however, which is a crude rate, cannot be used to compare the mortality with that of other districts as the populations of all areas are not similarly constituted as regards the proportions of their sex and age group components.

The Registrar-General supplies an "Area Comparability Factor" and the crude death-rate multiplied by this figure can then be compared with the death rate of the country as a whole or with the mortality of any other local area. The corrected death-rate so obtained is 13.4 per 1,000 population.

INFANT MORTALITY

During 1959 the deaths of 9 infants under one year of age were registered. The total number of live births registered during the year was 708, giving an infantile mortality rate of 12.7 per 1,000 live births, the lowest on record.

The infantile mortality rate for England and Wales in 1959 was 22.0.

There were 7 deaths of infants during the first four weeks of life (or 77.8 per cent. of the total infant deaths) as compared with 11 deaths (or 73.3 per cent.) in 1958.

The causes of the 9 infant deaths are shown in detail on page 16.

MATERNAL MORTALITY

There were no maternal deaths during the year.

CANCER MORTALITY

The number of deaths of Worthing residents from cancer was 274 (males 118, females 156) as compared with 269 in 1958, 262 in 1957, 245 in 1956, 228 in 1955 and 235 in 1954. The death-rate from the disease per 1,000 of the population was 3.64. The deaths from cancer constitute 17.2 per cent. of the total Worthing deaths during the year.

The following gives the comparative average death-rates from cancer in Worthing for quinquennial periods since 1910, and for each year since 1955:

1910-1914	..	..	1.32	1945-1949	..	..	3.06
1915-1919	..	..	2.01	1950-1954	..	..	3.34
1920-1924	..	..	1.94	1955	..	..	3.27
1925-1929	..	..	2.29	1956	..	..	3.42
1930-1934	..	..	2.33	1957	..	..	3.59
1935-1939	..	..	2.53	1958	..	..	3.61
1940-1944	..	..	3.11	1959	..	..	3.64

The following table shows the localisation of the disease in the case of the 274 deaths recorded.

Localisation				No. of deaths		
				Male	Female	Total
Stomach	..	..	..	11	10	21
Lungs	..	..	..	40	9	49
Breast	..	..	..	1	38	39
Uterus	..	..	..	—	14	14
Other and unspecified organs	..			66	85	151
Total	..			118	156	274

The mortality from cancer during the last 20 years is shown as follows :

Year	Deaths		Total	Death rate per 1,000 of the population
	Males	Females		
1940 ..	82	104	186	2.73
1941 ..	69	92	161	2.88
1942 ..	76	113	189	3.47
1943 ..	79	90	169	3.22
1944 ..	68	109	177	3.27
1945 ..	80	124	204	3.48
1946 ..	76	120	196	3.02
1947 ..	84	116	200	3.00
1948 ..	80	103	183	2.71
1949 ..	95	118	213	3.10
1950 ..	87	150	237	3.47
1951 ..	104	144	248	3.64
1952 ..	87	116	203	3.01
1953 ..	92	132	224	3.16
1954 ..	97	138	235	3.43
1955 ..	100	128	228	3.27
1956 ..	105	140	245	3.42
1957 ..	110	152	262	3.59
1958 ..	119	150	269	3.61
1959 ..	118	156	274	3.64

This death rate is considerably higher than that for the country as a whole, and to a great extent this is accounted for by the high proportion of aged persons resident in the Borough. The rate for England and Wales in 1959 was 2.14 per 1,000 population.

INFLUENZA AND PNEUMONIA MORTALITY

There were 85 deaths from these diseases as against 83 in 1958, 74 in 1957, 68 in 1956, 48 in 1955 and 46 in 1954. The mortality rate per 1,000 of the population was 1.12 as compared with 1.11 in 1958, 1.01 in 1957, 0.95 in 1956, 0.69 in 1955 and 0.67 in 1954. The rate for England and Wales in 1959 was 0.78 per 1,000 population.

TUBERCULOSIS MORTALITY

Deaths registered from tuberculosis numbered 9 of which 6 were due to pulmonary tuberculosis.

The death-rate from tuberculosis was 0.12 per 1,000 population, compared with 0.08 in 1958, 0.04 in 1957, 0.08 in 1956, 0.13 in 1955 and 0.19 in 1954.

The rate for England and Wales in 1959 was 0.09 per 1,000 population.

DEATHS FROM HEART DISEASE

Of the 1,593 deaths, heart disease caused roughly 1 in every 3 (males 244, females 353). It represented 37.5 per cent. of the total deaths from all causes and was equivalent to a death rate of 7.9 per 1,000 of the population.

40 YEARS VITAL STATISTICS — TABLE 1

Year.	Deaths.													Registrar General's Popu- lation		
	Births.		All causes.		Infants under 1 year.		Maternal Mortality			Tuberculosis		Cancer.				
	No.	R.*	No.	R.*	No. under 1 year.	R.**	Sepsis.		Other Causes	Rate†	No.	R.*	No.		R.*	
1920	583	18.5	434	13.7	23	39	—	—	—	—	—	29	0.92	50	1.58	31,555
21	487	15.5	441	14.0	29	59	1	2	—	5.43	—	32	1.02	63	1.99	31,520
22	404	12.8	472	15.0	21	52	1	—	—	1.95	—	35	1.11	59	1.87	31,460
23	401	12.8	428	13.6	18	45	1	1	—	3.89	—	26	0.83	55	1.75	31,440
24	426	13.3	537	16.6	21	49	—	1	—	2.35	—	32	0.99	81	2.51	32,260
25	442	13.4	452	13.7	21	48	—	1	—	2.26	—	28	0.85	60	1.82	32,950
26	423	12.1	536	15.3	17	40	—	1	—	2.36	—	30	0.85	90	2.56	35,060
27	432	11.9	571	15.7	20	46	1	2	—	6.94	—	28	0.76	84	2.31	36,350
28	462	12.2	548	14.4	17	37	1	1	—	4.33	—	26	0.68	87	2.29	38,030
29	494	11.9	684	16.5	12	24	—	1	—	2.02	—	34	0.82	103	2.49	41,410
30	534	12.6	640	15.1	18	36	—	2	—	3.75	—	37	0.87	104	2.46	42,340
31	553	12.5	690	15.5	20	37	2	2	—	7.23	—	46	1.04	101	2.28	44,320
32	513	11.0	781	16.8	20	39	4	3	—	13.64	—	39	0.84	101	2.17	46,470
33	514	10.6	715	14.7	18	38	2	—	—	3.89	—	33	0.68	104	2.14	48,530
34	615	11.9	756	14.6	12	20	—	1	—	1.63	—	34	0.66	133	2.58	51,580
35	621	11.5	744	14.0	25	40	1	—	—	1.61	—	36	0.67	125	2.32	53,930
36	687	12.4	870	15.6	23	35	—	3	—	4.36	—	25	0.45	153	2.75	55,540
37	729	12.4	916	15.6	33	45	—	—	—	—	—	42	0.72	138	2.35	58,600
38	712	10.8	917	15.5	20	29	—	1	—	1.40	—	31	0.52	151	2.56	59,080
39	763	12.4	1035	16.9	18	23	1	1	—	2.60	—	26	0.34	163	2.66	61,210
40	657	9.6	1165	17.6	32	49	—	2	—	3.00	—	48	0.70	186	2.73	66,350
41	590	10.1	1044	18.7	22	36	—	1	—	1.80	—	39	0.70	161	2.88	55,710
42	724	13.3	1116	20.5	25	35	1	1	—	2.80	—	23	0.42	189	3.47	54,500
43	775	14.3	1073	20.4	24	32	—	3	—	3.90	—	33	0.63	169	3.22	52,500
44	924	17.1	1037	19.2	40	44	—	2	—	2.10	—	23	0.42	177	3.27	54,080
45	811	13.8	1173	20.0	31	39	—	1	—	1.20	—	32	0.54	204	3.48	58,620
46	1059	16.3	1223	18.8	50	48	—	—	—	—	—	22	0.34	196	3.02	64,860
47	1003	15.0	1251	18.7	31	32	—	—	—	—	—	26	0.38	200	3.00	66,750
48	861	12.8	1103	16.3	20	24	—	—	—	—	—	23	0.34	183	2.71	67,520
49	818	12.0	1209	17.8	16	20	—	1	—	1.20	—	18	0.26	213	3.10	67,940
50	714	10.4	1336	19.5	22	31	—	1	—	1.40	—	25	0.37	237	3.47	68,350
51	699	10.3	1375	20.2	17	25	—	—	—	—	—	18	0.26	248	3.64	68,060
52	658	9.7	1235	18.3	11	17	—	2	—	2.04	—	21	0.31	203	3.01	67,530
53	613	9.0	1308	19.3	16	27	—	1	—	1.63	—	3	0.04	224	3.16	67,770
54	659	9.6	1299	19.0	19	30	—	—	—	—	—	13	0.19	235	3.43	68,510
55	671	9.6	1269	18.2	13	20	—	—	—	—	—	9	0.13	228	3.27	69,840
56	701	9.8	1474	20.6	22	32	—	1	—	1.43	—	6	0.08	245	3.42	71,580
57	697	9.6	1338	18.4	13	19	—	—	—	—	—	3	0.04	262	3.59	72,860
58	716	9.5	1481	19.9	15	21	—	—	—	—	—	6	0.08	269	3.61	74,550
59	726	9.6	1593	21.3	9	13	—	—	—	—	—	9	0.12	274	3.64	75,260

* Per 1,000 Population (unadjusted)

** Per 1,000 Live Births.

† Per 1,000 Total (Live & Still)

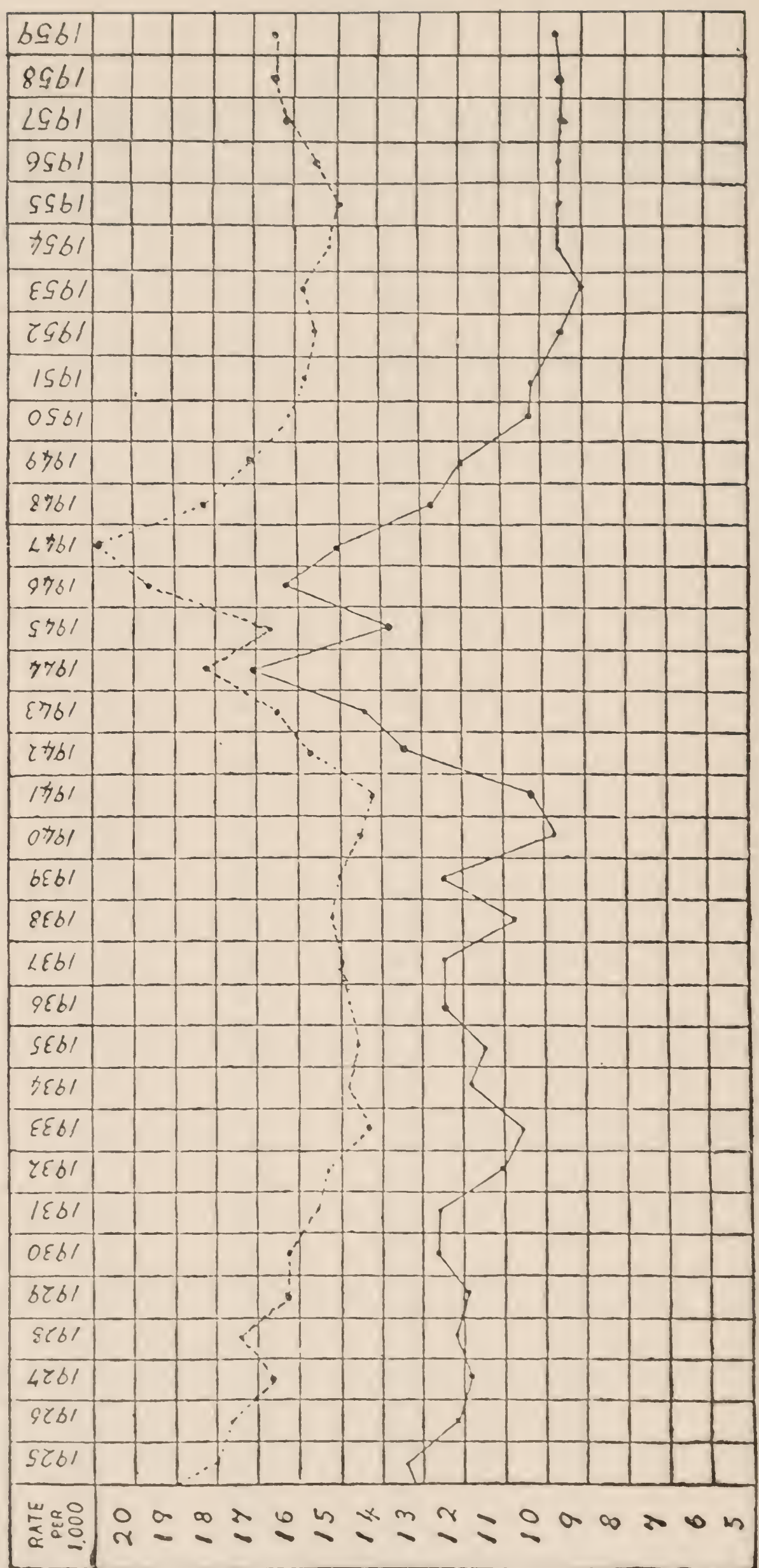
TABLE II**BIRTHS**

The following table shows the number of births, and birth rate of Worthing, for the last 40 years.

		Total Births (live and still)	Males	Females	Birth Rate	Adjusted Birth Rate
1920	...	583	281	302	18.5	—
1921	...	487	265	222	15.5	—
1922	...	404	221	183	12.8	—
1923	...	401	214	187	12.8	—
1924	...	426	249	177	13.3	—
1925	...	442	223	219	13.4	—
1926	...	423	218	205	12.1	—
1927	...	432	223	209	11.9	—
1928	...	462	223	239	12.2	—
1929	...	494	242	252	11.9	—
1930	...	534	278	256	12.6	—
1931	...	553	299	254	12.5	—
1932	...	513	256	257	11.0	—
1933	...	514	255	259	10.6	—
1934	...	615	292	323	11.9	—
1935	...	621	296	325	11.5	—
1936	...	687	340	347	12.4	—
1937	...	729	378	351	12.4	—
1938	...	712	347	365	10.8	—
1939	...	763	400	363	12.4	—
1940	...	657	362	295	9.6	—
1941	...	590	305	285	10.1	—
1942	...	724	346	378	13.3	—
1943	...	775	417	358	14.3	—
1944	...	924	491	433	17.1	—
1945	...	811	427	384	13.8	—
1946	...	1059	536	523	16.3	—
1947	...	1003	527	476	15.0	—
1948	...	861	453	408	12.8	—
1949	...	818	444	374	12.0	—
1950	...	714	350	364	10.4	12.4
1951	...	699	383	316	10.3	12.2
1952	...	658	328	330	9.7	11.5
1953	...	613	321	292	9.0	10.7
1954	...	659	324	335	9.6	12.8
1955	...	671	354	317	9.6	12.8
1956	...	701	368	333	9.8	12.0
1957	...	697	341	356	9.6	13.1
1958	...	716	378	338	9.5	12.5
1959	...	726	392	334	9.6	11.1

The birth rate for England and Wales for 1959 was 16.5 per 1,000.

CHART SHOWING WORTHING UNADJUSTED BIRTH RATE SINCE 1925



(Dotted line represents Rate for England and Wales)

DEATHS

The total number of deaths assigned to Worthing after allowing for inward and outward transfers was 1,593, 664 males and 929 females, giving a crude death rate of 21.3 per 1,000 population.

The corrected death rate after adjustment is 13.4.

			Crude Death Rate	Adjusted Death Rate
1939	..	..	16.9	11.0
1940	..	..	17.6	11.1
1941	..	..	18.7	(no comparability factor issued).
1942	..	..	20.5	„
1943	..	..	20.4	„
1944	..	..	19.2	„
1945	..	..	20.0	„
1946	..	..	18.8	„
1947	..	..	18.7	„
1948	..	..	16.3	„
1949	..	..	17.8	10.0
1950	..	..	19.5	10.9
1951	..	..	20.2	11.1
1952	..	..	18.3	10.1
1953	..	..	19.3	10.6
1954	..	..	19.0	9.7
1955	..	..	18.2	9.3
1956	..	..	20.6	11.1
1957	..	..	18.4	9.9
1958	..	..	19.9	10.7
1959	..	..	21.3	13.4

The death rate for England and Wales was 11.6.

TABLE III.
CAUSES OF DEATH — 1959

All Causes	Males 664	Females 929
Tuberculosis, Respiratory	5	1
Tuberculosis, other	1	2
Syphilitic Disease	1	—
Diphtheria	—	—
Whooping Cough	—	—
Meningococcal infections	—	—
Acute Poliomyelitis	—	—
Measles	—	—
Other infective and parasitic diseases	1	1
Malignant neoplasm, stomach	11	10
Malignant neoplasm, Lung, Bronchus	40	9
Malignant neoplasm, Breast	1	38
Malignant neoplasm, Uterus	—	14
Other malignant and lymphatic neoplasms	66	85
Leukaemia aleukaemia	3	5
Diabetes	1	2
Vascular lesions of Nervous System	93	217
Coronary disease, Angina	139	109
Hypertension with heart disease	6	13
Other heart disease	99	231
Other circulatory disease	27	42
Influenza	8	8
Pneumonia	41	28
Bronchitis	32	10
Other diseases of respiratory system	9	5
Ulcer of stomach and duodenum	11	5
Gastritis, enteritis and diarrhoea	2	2
Nephritis and nephrosis	3	5
Hyperplasia of prostate	8	—
Pregnancy, childbirth, abortion.. .. .	—	—
Congenital malformations	—	3
Other defined and ill-defined diseases	35	50
Motor vehicle accidents	6	4
All other accidents	8	22
Suicide	6	8
Homicide and operations of war	1	—

The principal causes of death during the year were:—

Heart Diseases	597
Cancer	274
Intra-cranial vascular lesions	310
Pneumonia	69

DEATHS, AGE GROUPS — 1959

Age		Deaths	Age		Deaths
Under 1 year	...	9	35 to 44 years	...	17
1 to 2 years	...	2	45 to 54 ..	...	50
3 to 4 ..	...	3	55 to 59 ..	...	68
5 to 9 ..	...	1	60 to 64 ..	...	102
10 to 14 ..	...	3	65 to 69 ..	...	153
15 to 19 ..	...	1	70 to 79 ..	...	569
20 to 24 ..	...	1	80 to 89 ..	...	500
25 to 34 ..	...	7	90 years and over	...	107
Total number of deaths ... 1,593					

This analysis shows that 73.8 per cent. of the deaths were of persons aged 70 years of age and upwards.

The number of deaths occurring in the four quarters of the year was as follows:—

		Deaths	Adjusted Death rate per 1,000 Population	Rate for England & Wales
First Quarter	.. ..	468	15.7	15.8
Second Quarter	.. ..	378	12.7	10.6
Third Quarter	.. ..	339	11.4	9.0
Fourth Quarter	... ..	408	13.7	11.1
		1593	13.4	11.6

TABLE. IV
BIRTH RATES, DEATH RATES,
AND INFANTILE MORTALITY RATES, 1939—1959

Years	No. of births (live and still)	Unadjusted Birth rate per 1,000 of the population	No. of deaths	Unadjusted Death rate per 1,000 of the population	Infantile Mortality rate per 1,000 births (live and still)
1939	763	12.4	1035	16.9	23
1940	657	9.6	1165	17.6	49
1941	590	10.1	1044	18.7	36
1942	724	13.3	1116	20.5	35
1943	775	14.3	1073	20.4	32
1944	924	17.1	1037	19.2	44
1945	811	13.8	1173	20.0	39
1946	1059	16.3	1223	18.8	48
1947	1003	15.0	1251	18.7	31.9
1948	861	12.8	1103	16.3	23.8
1949	818	12.0	1209	17.8	19.5
1950	714	10.4	1336	19.5	30.8
1951	699	10.3	1375	20.2	24.6
1952	658	9.7	1235	18.3	16.7
1953	613	9.0	1308	19.3	26.6
1954	659	9.6	1299	19.0	29.6
1955	671	9.6	1269	18.2	19.8
1956	701	9.8	1474	20.6	32.3
1957	697	9.6	1338	18.4	18.7
1958	716	9.5	1481	19.9	21.2
1959	726	9.6	1593	21.3	12.7

It will be noted from this table that the number of deaths has always exceeded the number of births during the last 21 years. There has been no “natural increase of the population” (*i.e.* excess of births over deaths) since the year 1921.

TABLE V
INFANTILE MORTALITY

The number of deaths under one year of age was 9 (1 male and 8 females), giving an infant mortality rate of 12.7 per 1,000 live births. The corresponding rate for England and Wales for the year under review was 22.0.

Year	No. of Infant Deaths	Proportion per 1,000 live births	Percentage of Total Deaths at all ages	Infant Mortality Rate in England and Wales
1932	20	39	2.5	65
1933	18	38	2.5	64
1934	12	20	1.6	59
1935	25	40	3.4	57
1936	23	35	2.6	59
1937	33	45	3.6	58
1938	20	29	2.2	53
1939	18	23	1.7	50
1940	32	49	2.7	55
1941	22	36	2.1	59
1942	25	35	2.2	49
1943	24	32	2.2	49
1944	40	44	3.8	46
1945	31	39	2.5	46
1946	50	48	4.2	43
1947	31	31.9	2.4	41
1948	20	23.8	1.8	34
1949	16	19.5	1.3	32
1950	22	30.8	1.6	30
1951	17	24.6	1.3	30
1952	11	16.7	0.9	28
1953	16	26.6	1.2	27
1954	19	29.6	1.5	26
1955	13	19.8	1.0	25
1956	22	32.3	1.5	24
1957	13	19.2	1.0	23
1958	15	21.2	1.0	23
1959	9	12.7	0.6	22

The causes of deaths of children under one year for the last 5 years are as follows:—

Cause of Infant Deaths	Deaths of infants under one year of age.				
	1955	1956	1957	1958	1959
Premature Births	6	5	2	4	2
Congenital Malformations ..	—	4	3	—	1
Pneumonia	1	8	2	2	1
Atelectasis	2	—	—	2	—
Asphyxia	—	1	1	—	—
Gastro Enteritis	1	1	—	—	—
Intra-Cranial Haemorrhage ..	1	1	2	1	2
Meningitis	—	—	—	1	—
Tuberculous Meningitis	—	—	—	—	1
All other causes	2	2	3	5	2
TOTALS	13	22	13	15	9

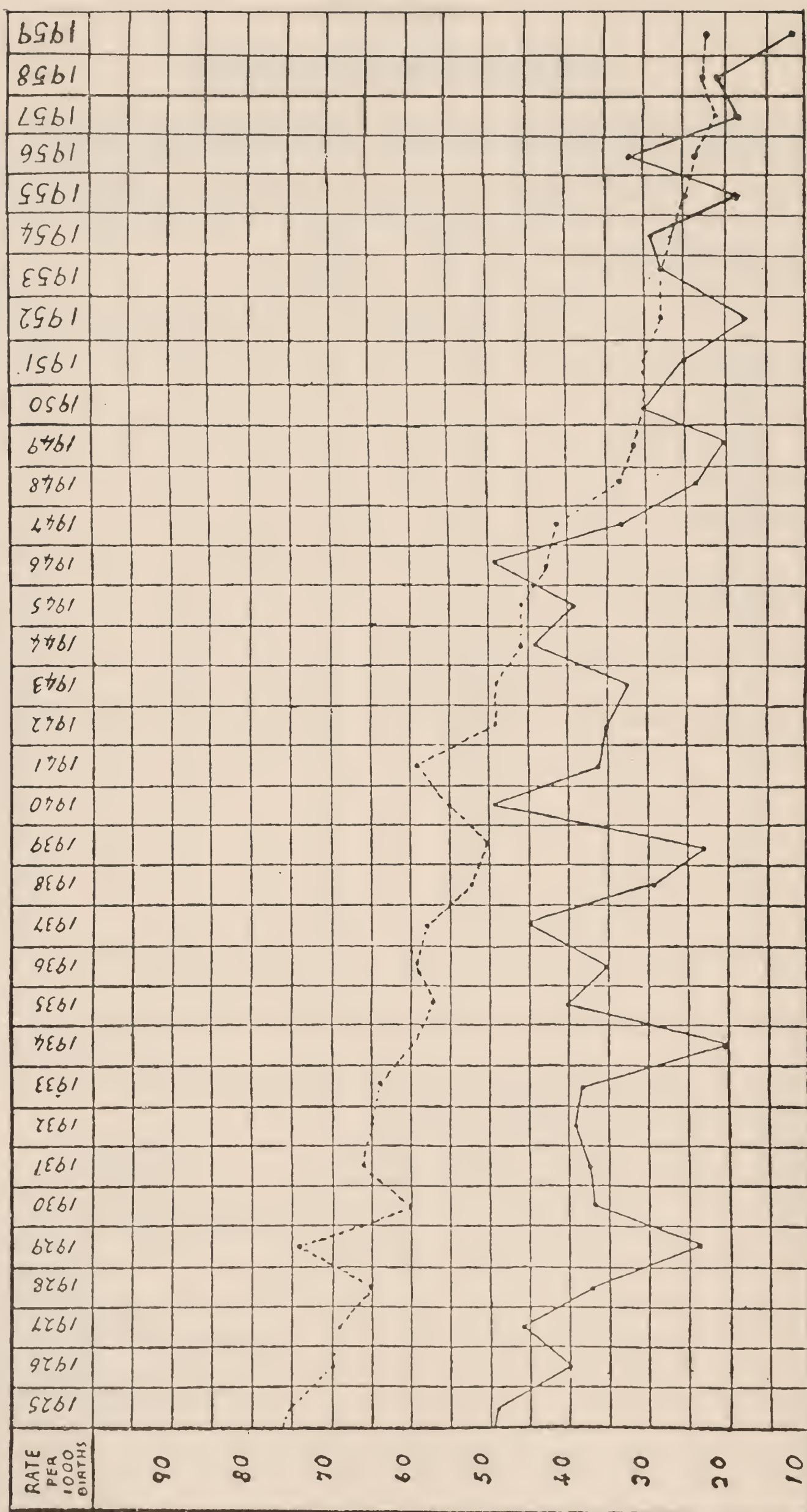
TABLE VI

INFANTILE DEATHS — 1959

TABLE SHOWING CAUSES AND AGES AT DEATH

Cause	Age in weeks				Total under 1 Month	Age in months					Total (All Ages)
	0-1	1-2	2-3	3-4		1-2	2-3	3-6	6-9	9-12	
Prematurity	2	—	—	—	2	—	—	—	—	—	2
Congenital Malformations ..	1	—	—	—	1	—	—	—	—	—	1
Pneumonia	—	—	—	—	—	1	—	—	—	—	1
Tuberculous Meningitis	—	—	—	—	—	—	—	—	1	—	1
Intra-Cranial Haemorrhage ..	2	—	—	—	2	—	—	—	—	—	2
Other Causes ..	1	1	—	—	2	—	—	—	—	—	2

CHART SHOWING WORTHING INFANTILE MORTALITY RATE SINCE 1925



(Dotted line represents Rate for England and Wales)

WATER SUPPLIES

The water supply undertaking is owned and managed by the Borough Council.

The following information regarding the water supply has been supplied by Mr. H. A. Leader, Assoc.M.Inst.C.E., Assoc.M.Inst.W.E., Borough Water Engineer.

1. The water supply of the statutory area has been very satisfactory in both quality and quantity throughout the past year.
2. Bacteriological examinations are made once a fortnight of both the raw and chlorinated water, whilst chemical examinations of the raw water are made once a month.
3. The water has no plumbo-solvent action.
4. No contamination of supplies has been reported.
5. The population supplied during the year ended December, 1959, was 80,370, all supplies being direct to the houses and no standpipes being used. The area supplied includes the Parishes of Clapham, Patching and Sompting, and in the entire area only 18 houses (approximate population 50) are without a piped water supply.

In addition to the direct supply, a bulk supply was maintained to the Worthing Rural District Council, and distributed by that Authority to a population of 14,337.

THE COUNTIES PUBLIC HEALTH LABORATORIES

66 Victoria Street,
London, S.W.1.

Chemical Water Report

The sample of water marked 48" Borehole, Broadwater Pumping Station, received here on 26.5.59, has been chemically examined as follows:—

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Clear and bright	Metals	Absent
Colour	Nil	Turbidity	Nil
pH	7.2	Odour	Nil
Electric Conductivity	475	Free Carbon Dioxide	23
Chlorine present as Chloride	25	Total Solids	315
Hardness: Total 250—		Alkalinity as Calcium Carbonate	205
Carbonate 205 ; Non-carbonate 45		Nitrite Nitrogen	Absent
Nitrate Nitrogen	6.6	Oxygen Absorbed	0.00
Ammoniacal Nitrogen	0.000	Residual Chlorine	Absent
Albuminoid Nitrogen	0.000		

This sample is clear and bright in appearance, neutral in reaction and free from iron and other metals. The water is hard in character but not to an excessive degree, it contains no excess of mineral constituents and it is of the highest standard of organic quality.

From the aspect of the chemical analysis these results are indicative of a pure and wholesome water suitable for public supply purposes.

2nd June, 1959.

(Signed) GORDON MILES, B.SC., F.R.I.C.

THE COUNTIES PUBLIC HEALTH LABORATORIES

66 Victoria Street,
London, S.W.1.

Chemical Water Report

The sample of water marked 30" Borehole, Patching Pumping Station, received here on 25.11.59, has been chemically examined as follows:—

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Clear and bright	Albuminoid Nitrogen	0.000
Colour	Nil	Metals	Absent
pH	7.3	Turbidity	Nil
Electric Conductivity	435	Odour	Nil
Chlorine present as Chloride	22	Free Carbon Dioxide	20
Hardness: Total 230—		Total Solids	300
Carbonate 200; Non-carbonate 30		Alkalinity as Calcium Carbonate	200
Nitrate Nitrogen	4.8	Nitrite Nitrogen	Absent
Ammoniacal Nitrogen	0.000	Oxygen Absorbed	0.05
		Residual Chlorine	Absent

This sample is clear and bright in appearance, neutral in reaction and free from iron and other metals. The water is hard in character but not unduly so, contains no excess of mineral constituents in solution, and it is of very satisfactory organic quality.

From the aspects of the chemical analysis these results are indicative of pure and wholesome water suitable for public supply purposes.

(Signed) GORDON MILES, B.SC., F.R.I.C.

10th December, 1959.

PUBLIC HEALTH LABORATORY,
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

Bacteriological Water Analysis

On sample marked 48" Borehole, Broadwater Pumping Station.

Lab. Ref. No. 277560.

Received 28.5.59.

Plate Count. 1 day at 37°C. less than 1.

Probable number of coliform bacilli per 100 ml.—less than 1.

Date of report, 30.5.59.

J. E. JAMESON,
Director.

PUBLIC HEALTH LABORATORY,
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

Bacteriological Water Analysis

On sample marked 30" Borehole, Patching Pumping Station.

Lab. Ref. No. 292948.

Received 24.11.59.

Plate Count. 1 day at 37°C. less than 1

Probable number of coliform bacilli per 100 ml.—less than 1.

Date of report, 26.11.59.

J. E. JAMESON,
Director.

PUBLIC SWIMMING BATHS

1.—INDOOR SWIMMING BATHS

The Swimming Baths situated in Heene Road are antiquated and nothing can be done to make them conform with modern requirements. However, the water purification system consisting of high pressure filtration and break-point chlorination with an 8 hour turnover is modern, and a satisfactory standard of purity is maintained. The water used is the public supply.

2.—THE LIDO

This open air swimming pool occupies the site of the former Bandstand. It was opened in May and has certainly proved the need for an amenity of this nature. Sea water is used and is purified by high pressure filtration and break-point chlorination with a 6 hour turnover. A satisfactory standard of purity is maintained.

**BACTERIOLOGICAL EXAMINATION OF THE SWIMMING
BATH WATER AT HEENE BATHS AND THE LIDO**

Date	Plate Count Yeastral Agar 1 day at 37°C. Aerobically	Probable Number of Coliform Bacilli, 2 days at 37°C.
<i>SMALL SWIMMING BATH (Capacity 50,000 gallons)</i>		
2nd April	Less than 1 per ml.	Less than 1 per 100 ml.
12th May	25 per ml.	Less than 1 per 100 ml.
23rd June	Less than 1 per ml.	Less than 1 per 100 ml.
28th July	Less than 1 per ml.	Less than 1 per 100 ml.
8th Sept.	1 per ml.	Less than 1 per 100 ml.
<i>LARGE SWIMMING BATH (Capacity 110,000 gallons)</i>		
12th May	Less than 1 per ml.	Less than 1 per 100 ml.
23rd June	Less than 1 per ml.	Less than 1 per 100 ml.
28th July	Less than 1 per ml.	Less than 1 per 100 ml.
8th Sept.	4 per ml.	Less than 1 per 100 ml.
<i>THE LIDO (Capacity 150,000 gallons)</i>		
12th May	5 per ml.	Less than 1 per 100 ml.
23rd June	Less than 1 per ml.	Less than 1 per 100 ml.
28th July	3 per ml.	1 per 110 ml. 1 Faecal
8th Sept.	Less than 1 per ml.	Less than 1 per 100 ml.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES

Notifiable Infectious Diseases

The following are the infectious diseases which are now notifiable to the Medical Officer of Health:—

Scarlet fever

Whooping cough

Diphtheria

Measles

Acute pneumonia (primary or influenzal)

Meningococcal infection

Acute poliomyelitis—

paralytic

non-paralytic

Acute encephalitis—

infective

post-infectious

Dysentery

Ophthalmia neonatorum

Puerperal pyrexia

Smallpox

Typhoid and Para-typhoid fevers

Food poisoning

Erysipelas

Malaria

Cholera

Plague

Typhus fever

Relapsing fever

Tuberculosis (all forms)

NOTIFIED INFECTIOUS DISEASES — 1959 (Corrected in Cases of Revised Diagnosis)

	Under 1 year	1	2	3	4	5-9	10-14	15-19	20-24	25-34	35-44	45-64	65 and over	Age un- known	Total	Admitted to Isolation Hospital
Scarlet Fever ...	—	—	2	6	10	22	5	—	—	—	—	—	—	—	45	18
Whooping Cough ...	9	11	7	11	7	29	1	—	—	—	—	—	—	1	76	4
Diphtheria ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles ...	24	71	96	131	135	571	50	4	1	1	1	2	—	—	1087	5
Acute Pneumonia	—	—	—	—	—	1	—	—	—	—	1	1	4	—	7	—
Meningococcal Infection	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis (Paralytic)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis, (Non-Paralytic)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhoid Fever ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paratyphoid Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ophthalmia Neonatorum	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Food Poisoning ...	—	—	—	—	—	—	1	—	—	—	—	1	—	—	2	1
Erysipelas ...	—	—	—	—	—	—	—	—	—	—	—	3	1	—	4	—
	33	82	105	148	152	623	57	4	1	1	2	7	5	1	1221	28

DIPHThERIA

For the twelfth year in succession there were no cases of Diphtheria in the Borough.

Immunisation before a child is 12 months old and a reinforcing injection at 5 years of age should still be considered an absolute rule for all.

MEASLES

Notifications for the year numbered 1087. No deaths occurred and only 5 cases needed hospital treatment.

WHOOPING COUGH

Notifications for the year numbered 76. There were no deaths.

SCARLET FEVER

The number of confirmed cases was 45, of which 18 were treated in hospital. There were no deaths, and in all cases admitted to hospital modern treatment modified the severity of the disease, shortened its duration and completely eliminated any complications.

ACUTE POLIOMYELITIS (INFANTILE PARALYSIS)

No cases were notified during the year.

Vaccination against Poliomyelitis

Details of the scheme are given on page 59 of the Report.

ADMISSION OF CASES TO INFECTIOUS DISEASE HOSPITALS

The following Worthing cases were admitted during the year:—

Swandean Hospital

Scarlet Fever	..	..	..	..	..	18
Streptococcal Pharyngitis	..	..	..	..	..	1
Whooping Cough	..	..	..	..	..	4
Measles	..	..	..	..	..	2
Measles and Pneumonia	..	..	..	..	..	1
Meningitis following Measles	..	..	..	..	..	1
Rubella	..	..	..	..	..	1
Chicken Pox	..	..	..	..	..	4
Food Poisoning	..	..	..	..	..	1
Glandular Fever	..	..	..	..	..	3
Cellulitis (Leg)	..	..	..	..	..	1
Gastro-Enteritis	..	..	..	..	..	1
Enteritis	4
Colitis	1
Influenza	3
Herpes	2
Furunculosis	1
Observation cases	9

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Foredown Hospital

Measles and Encephalitis	1
Polyneuritis	1
Cerebral Tumour	1
Quinsey	..	..	..	1
Confinement (contact Chicken Pox)	..	..		1
Observation cases	..	..	..	1
				<hr/>
				6
				<hr/>

TUBERCULOSIS

72 cases of tuberculosis were added to the Register during 1959 :—

Pulmonary—Males	..	44	Non-Pulmonary—Males	..	2
Females	..	21	Females	..	5
		65			7

65 cases were removed from the Register, and 7 old cases were restored.

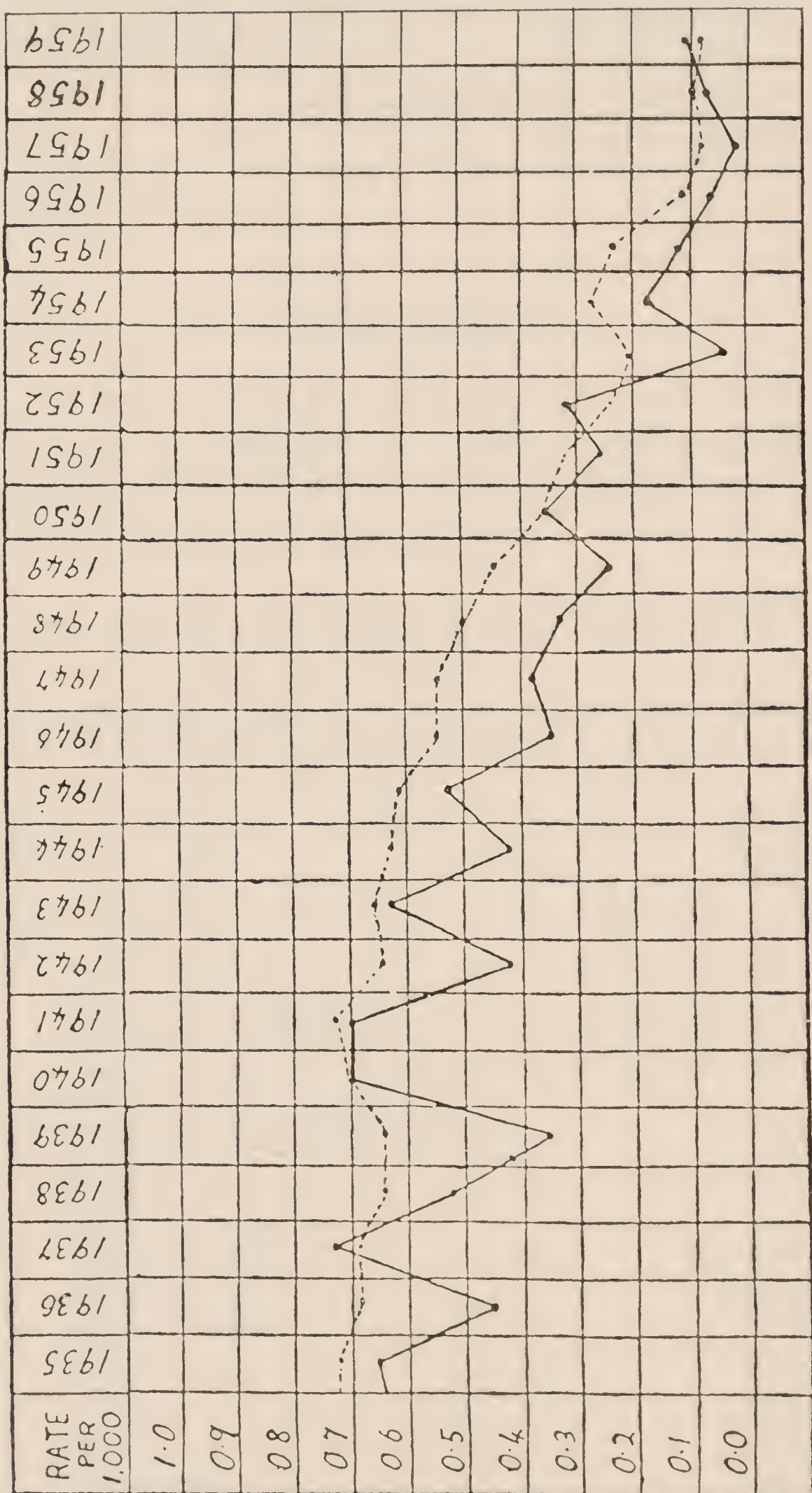
Tuberculosis Cases on the Register at 31st December, 1959 —

	Males	Females	Total
Pulmonary	221	179	400
Non-pulmonary ..	41	51	92
Totals ..	262	230	492

Table showing new cases in 1959 and mortality

Age periods	New cases				Deaths			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M	F	M	F	M	F	M	F
Under 1 year	—	—	—	1	—	—	—	1
1—4 years	—	—	—	—	—	—	—	—
5—14 „	—	—	—	—	—	—	—	—
15—24 „	9	2	—	—	—	—	—	—
25—34 „	11	2	1	—	—	—	—	—
35—44 „	4	4	—	1	—	—	—	—
45—54 „	5	5	1	2	1	—	1	1
55—64 „	7	5	—	—	3	—	—	—
65 years and over ..	8	3	—	1	1	1	—	—
TOTALS	44	21	2	5	5	1	1	2

CHART SHOWING WORTHING TUBERCULOSIS DEATH RATE SINCE 1925



(Dotted line represents Rate for England and Wales)

The following table shows the mortality from tuberculosis (all forms) since 1935:—

Year	Deaths	Death Rate per 1,000 of the population	
		Worthing	England and Wales
1935	36	0.67	0.72
1936	25	0.45	0.69
1937	42	0.72	0.70
1938	31	0.52	0.64
1939	26	0.34	0.64
1940	48	0.70	0.70
1941	39	0.70	0.73
1942	23	0.42	0.66
1943	33	0.63	0.67
1944	23	0.42	0.63
1945	32	0.54	0.62
1946	22	0.34	0.55
1947	26	0.38	0.55
1948	23	0.34	0.51
1949	18	0.26	0.45
1950	25	0.37	0.36
1951	18	0.26	0.31
1952	21	0.31	0.24
1953 . . .	3	0.04	0.20
1954	13	0.19	0.28
1955	9	0.13	0.15
1956	6	0.08	0.12
1957	3	0.04	0.09
1958	6	0.08	0.10
1959	9	0.12	0.09

It has not been necessary to take action under the Public Health (Prevention of Tuberculosis) Regulations, 1925, or under Section 172 of the Public Health Act, 1936.

FOOD POISONING

Although there were no outbreaks of food poisoning during the year, two single cases were notified. Salmonella infection was responsible in each case. There were no deaths.

CLEAN FOOD CAMPAIGNS

As in previous years, lectures and discussions have been given by the Medical Officer of Health and the Chief Public Health Inspector to a number of local organisations. Food traders' organisations have been approached and lectures given to food handlers.

WORTHING HOME SAFETY COMMITTEE

This Committee, which is fully representative of local bodies interested in home accident prevention, continued its excellent work throughout the year.

The report on the Experiment in Home Safety Education known as "Operation Jane", which was mentioned in my 1958 report, continued to evoke considerable interest from Medical Officers of Health both in this country and in a number of European countries.

The Committee has an efficient panel of specialised speakers who undertake to lecture on the various aspects of Home Safety to local organisations.

THE NATIONAL ASSISTANCE ACT, 1948, AND NATIONAL ASSISTANCE (Amendment) ACT, 1951

Section 47. Removal to suitable premises of persons in need of care and attention.

No legal proceedings were necessary during the year. In the few cases where difficulties occurred, informal action was sufficient to cope with the situation.

Section 50. Burial of the Dead.

Under this Section of the Act it was necessary to arrange for the burial of seven persons where no suitable arrangements were being made.

STAFF MEDICAL EXAMINATIONS

Medical examinations are undertaken by the Department in connection with Borough Council appointments and admissions of student teachers to training colleges. During the year, 88 such examinations were carried out, details of which are as follows:—

<i>Department</i>		<i>Males</i>	<i>Females</i>
Town Clerk's	—	1	
Borough Engineer's	13	—	
Medical Officer's	—	8	
Borough Treasurer's	1	3	
Borough Water Engineer's ..	10	—	
Education	6	6	
Entertainments and Publicity ..	2	1	
Borough Librarian's	1	6	
Entrants to Training Colleges ..	7	23	
	—	—	
Total ..	40	48	
	—	—	

Occasionally similar examinations are carried out at the request of other Local Authorities and during 1959 two such examinations were undertaken.

SANITARY INSPECTION OF THE BOROUGH

Report of Mr. S. S. White, Chief Public Health Inspector.

GENERAL INSPECTIONS

General inspections included the following:—

Houses	..	..	..	..	..	..	136
Factories	..	..	..	..	..	..	459
Work Places	..	..	..	..	..	..	56
Bakehouses	..	..	..	..	..	..	57
Restaurant Kitchens, Canteens	..	..	..	..	..	..	351
Dairies	..	..	..	..	..	..	8
Ice Cream Premises	..	..	..	..	..	..	72
Food Premises	..	..	..	..	..	..	2000
Schools	..	..	..	..	..	..	37
Drainage	..	..	..	..	..	..	443
Smoke Observations	..	..	..	..	..	..	12
Shops Act	..	..	..	..	..	..	26
Pest Destruction	..	..	..	..	..	..	221
Merchandise Marks Act	..	..	..	..	..	..	44
Miscellaneous	..	..	..	..	..	..	503
Re-visits to supervise repairs, etc.	..	..	..	..	..	..	950

310 Public Health nuisances or contraventions were recorded and 275 were remedied before the end of the year ; the latter figure includes a number carried forward from the previous year.

SANITARY DEFECTS AND NUISANCES RECORDED INCLUDED THE FOLLOWING :—

Houses :

Roofs defective	..	..	..	..	..	38
Rainwater conductors defective	..	..	..	..	..	32
Chimney stacks and external walls defective	..	..	..	..	..	31
Verminous	..	..	..	..	..	13
Wall plaster defective	..	..	..	..	..	47
Wall dampness	..	..	..	..	..	61
Cooking ranges, fireplaces defective	..	..	..	..	..	7
Window frames or cords defective	..	..	..	..	..	52
Floors, staircases defective	..	..	..	..	..	29
Insanitary yards	..	..	..	..	..	22
Vacant land insanitary	..	..	..	..	..	16

Drainage :

Requiring reconstruction	..	..	..	..	3
Defective condition	..	..	..	..	36
Choked	..	..	..	..	136
W.C 's defective	..	..	..	..	26

COMPLAINTS

1,392 complaints were received and investigated. They are classified as follows:—

Housing, general defects	..	..	..	..	..	49
Dampness	..	..	..	..	..	51
Overcrowding	..	..	..	..	..	10
Insanitary premises	..	..	..	..	..	7
Smoke nuisances	..	..	..	..	..	22
Vacant land — insanitary	..	..	..	..	..	38
Gardens — insanitary	..	..	..	..	..	37
Animals improperly kept	..	..	..	..	..	15
Drains or sewers choked	..	..	..	..	..	113
Defective drainage systems	..	..	..	..	..	33
W.C.'s defective	..	..	..	..	..	20
Refuse bins	..	..	..	..	..	6
Smells	..	..	..	..	..	42
Vermin	..	..	..	..	..	16
Flies	..	..	..	..	..	34
Wasps	..	..	..	..	..	258
Cockroaches, etc.	..	..	..	..	..	38
Other insects	..	..	..	..	..	6
Pigeons	..	..	..	..	..	4
Moles	..	..	..	..	..	4
Rabbits	..	..	..	..	..	8
Snakes	..	..	..	..	..	3
Squirrels	..	..	..	..	..	2
Rats	..	..	..	..	..	411
Mice	..	..	..	..	..	152
Miscellaneous	..	..	..	..	..	13

Numerous complaints are received annually alleging annoyance caused by un-neighbourly actions, such as smoke from bonfires, dumping of garden refuse on vacant land, insanitary gardens or unsightly objects also as regards noise, smoke or unpleasant smells from trade premises, particularly garages, nurseries, broiler houses and ladies' hairdressers.

In some instances such complaints are justified but no action can be taken by the Corporation because such nuisances are not generally regarded as nuisances within the meaning of the Public Health Acts, although they may interfere with the personal comfort of members of the public far more than a statutory public health nuisance.

A visit by a Public Health Inspector, or an informal letter, may have the desired effect but a Byelaw to include such "private nuisances" would benefit local authorities and residents.

Where an aggressor refuses to co-operate a "private nuisance" may continue indefinitely unless a person aggrieved seeks a remedy by way of an injunction, which few residents are prepared to do.

HOUSING

Slum Clearance—1955 Scheme

The period of time allowed under this Scheme expires in July, 1960.

The Scheme comprised 7 Clearance Areas and 12 individual houses involving 88 houses and 202 persons.

The Corporation purchased 42 houses under Compulsory Purchase Orders in connection with the Clifton Road Areas. During 1959 a further 20 families (51 persons) were re-housed and at the end of the year only ten families remain to be re-housed when the demolition of the remaining houses in Clifton Road and West Street will be completed.

Housing Inspections

Total number of dwelling-houses inspected (Public					
Health Act or Housing Act)					
					60
No. of houses repaired after informal notice ..					
					49
<i>Action under Statutory Powers:</i>					
(a) Public Health Acts					3
(b) Housing Act, 1957					13
Defects remedied by:					
(a) Owner					15
(b) Corporation in default					1
Closing Orders:					
Houses					3
Basements					1
Closing Orders revoked					
					2

THE RENT ACT, 1957

The main object of this Act is to permit limited increases in rents of houses remaining under rent control and giving tenants the right to request landlords to carry out repairs. Where a landlord fails to give an undertaking to remedy defects, the tenant may apply to the local authority for a Certificate of Disrepair, the possession of which prevents the proposed rent increase.

Only 64 tenants have taken advantage of this legislation since the Act came into operation in July, 1957.

Applications for Certificate of Disrepair:—

No. of applications	..	..	..	..	13
No. of Certificates issued	..	..	..	..	8
No. of undertakings	..	..	..	..	4
Defects remedied forthwith	..	..	..	..	1

Cancellations of Certificate of Disrepair:—

Granted	..	..	..	..	6
Refused	..	..	..	..	1

Certificate of Remedying Defects:—

Applications granted	..	..	..	..	4
Applications refused	..	..	..	..	1

PUBLIC HEALTH ACT, 1936 — CARAVANS

There is no licensed camping site within the Borough and only one annual licence is in operation.

Three temporary licences were granted in connection with building development sites.

PREVENTION OF DAMAGE BY PESTS

RODENT CONTROL

No. of complaints—Rats	..	..	..	..	..	411
Mice	..	..	..	..	..	152
No. of visits to Agricultural Premises	..	..	..	..	..	848
No. of premises cleared from rodents	..	..	..	..	..	423
Amount of poison bait taken	..	..	..	..	..	10,311 ozs.
Total visits to premises	..	..	..	..	..	3,745

Treatments were carried out on payment at 64 business premises (rats 16, mice 48) and at 32 central and local government premises.

Total Revenue	£104	7s.	6d.
---------------	----	----	------	-----	-----

INCIDENCE OF COMPLAINTS — Rodent destruction continues to demand a regular systematic service. Whilst much progress has been made in recent years and the rodent population has been considerably reduced, serious infestations being few, the number of complaints received annually shows no reduction. The explanation for this appears to be that the free service to householders has resulted in residents immediately reporting a rat or rat hole being seen.

SEWER RATS — Two treatments were carried out during the year and on each occasion the sewers throughout the entire town were found to be almost free from rats.

OTHER PESTS

Advice or treatment was given in 368 cases as regards annoyance caused by wasps, beetles, flies and other insects and pigeons, rabbits, etc.

Disinfestation work was carried out at 74 premises (202 rooms) to destroy cockroaches and other insects. Revenue .. £108 8s. 5d.

At 154 premises to destroy wasps' nests. Revenue .. £58 3s. 0d.

Complaints of wasps were exceptionally heavy, particularly during the months of July and August and it was not possible to give treatment in every case on request. In such cases, however, advice was given by leaflet or telephone.

As far as possible the destruction of wasps' nests, outside buildings, was undertaken on payment of a standard charge.

DISINFECTION

Articles fumigated by steam disinfection included the following:—

Blankets	..	..	..	..	..	..	50
Sheets, etc.	..	..	..	..	..	..	21
Mattresses and feather beds			..	..	..	..	865
Pillows, bolsters, cushions	..		..	..	..	..	208
Quilts, eiderdowns, overlays			..	..	..	..	29
Carpets and rugs		..	..	..	..	..	19
Miscellaneous	..	..	..	..	..	..	8
Number of rooms disinfected		..	..	..	..	..	58
Revenue received	..	..	..	..	..	..	£83.18.0

INFECTIOUS DISEASE

54 visits were made in connection with cases of infectious disease or food poisoning notified to the Medical Officer of Health and for enquiries relating to sources of illness, contacts, housing conditions and means of isolation.

FACTORIES ACTS, 1937 and 1948

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors).

Premises	Number on Register	Number of Inspections	Written Notices
(i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced by Local Authorities	20	38	14
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	247	407	9
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises).	33	34	5
TOTAL	300	479	28

2. Cases in which DEFECTS were found.

Particulars	Number of cases in which defects were found			
	Found	Remedied	Referred	
			To H.M. Inspector	By H.M. Inspector
Want of cleanliness (S.1.)	9	5	2	—
Overcrowding (S.2)	—	—	—	—
Unreasonable temperature (S.3)	1	1	—	—
Inadequate ventilation (S.4)	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—
Sanitary Conveniences (S.7)				
(a) insufficient	2	1	—	—
(b) unsuitable or defective	47	22	—	—
(c) not separate for sexes	—	—	—	—
Other offences against the Act (not including offences relating to Outwork)	4	1	1	—
TOTAL	63	30	3	—

OUTWORKERS. 12 local firms employ 42 persons to work in their own homes within the Borough and 13 residing elsewhere. 5 Outworkers are employed locally by five firms outside the County. The nature of their work was as follows:—

Making of wearing apparel	52
Furniture or upholstery	1
Stuffed toys	7

FIRE ESCAPE. 2 Certificates of Adequate Means of Escape in Case of Fire were granted during the year, making a total of 69 operative within the Borough.

SHOPS ACT, 1950—SEC. 38.

42 Certificates are in operation as regards exemption in respect of sanitary accommodation or washing facilities. Suitable alternative facilities are available in each case.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

Four premises were registered, and one licensed, pursuant to the requirements of the above Act.

Two samples of rag flock or other fillings were taken and analysed pursuant to the Act and Regulations. These were satisfactory.

OFFENSIVE TRADES

There is no offensive trade or business in the Borough.

**NOTICES SERVED TO REMEDY DEFECTS OR ABATE
NUISANCES OR CONTRAVENTIONS**

<i>Act</i>	<i>Informal</i>	<i>Statutory</i>	<i>Executed in default</i>
Public Health Act, 1936—			
Section 92 (defects and nuisances) ..	53	1	
„ 75 (dust bins)	25	1	
„ 39 (drainage and appliances)	30		
„ 44-45-46 (water closets) ..	11		
„ various	20		
Smoke Abatement	5		
Housing Act, 1957	55	12	1
Food and Drugs Act	4		
Food Hygiene Regulations	60	2	
Milk and Dairies Regulations	2		
Ice Cream Regulations	2		
Prevention of Damage by Pests Act, 1949	27	2	1
Factories Acts, 1937-1948	27	2	
Shops Act	3		
Merchandise Marks Act	1		
	<hr/> 325	<hr/> 20	<hr/> 2

Notices relating to insufficient or defective refuse bins
on reports by the Cleansing Superintendent .. 252

Sewers serving approximately 299 houses found to be in a defective or choked condition were repaired or cleansed by the Corporation.

12 houses were re-drained to main sewers and 7 cesspools were abolished.

The drainage system was reconstructed, or partly so, at 10 premises.

FOOD EXAMINATION

1. Meat

There is one slaughterhouse in the Borough at which 17,602 animals, 332 beasts, 1,235 calves, 2,694 sheep and 13,341 pigs were slaughtered during the year.

567 attendances were made to the slaughterhouse, to ensure that every carcase was examined before the meat left the slaughterhouse.

Eleven persons were licensed to slaughter animals under the Slaughter of Animals Acts, 1954 and 1958.

All animals were slaughtered with the aid of mechanically-operated humane instruments.

The Model Byelaws for Private Slaughterhouses, 1956, have been adopted.

Approximately 8 tons of meat were found to be diseased and unfit for food. This was salvaged for animal feeding, fat rendering or fertilizers. Meat found to be diseased included:—

Entire Carcases:

Beasts	..	..	..	..	..	..	8
Calves	..	..	..	..	..	..	13
Sheep	..	..	..	..	..	..	9
Pigs	..	..	..	..	..	..	62

Offals:

				<i>Beasts</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>
Heads and Tongues	..	..	..	—	1	—	37
Other Parts	..	..	..	88	5	220	748

Carcases and Offal inspected and condemned in whole or in part

	Cattle excl. Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	143	189	1,235	2,694	13,341
Number inspected	143	189	1,235	2,694	13,341
<i>All diseases except Tuberculosis and Cysticerci:</i>					
Whole carcases condemned...	—	8	13	9	61
Carcases of which some part or organ was condemned ..	33	55	6	220	759
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	23.1%	33.3%	1.5%	8.5%	5.7%
<i>Tuberculosis only:</i>					
Whole carcases condemned...	—	—	—	—	1
Carcases of which some part or organ was condemned ...	—	—	—	—	26
Percentage of the number inspected affected with tuber- culosis	—	—	—	—	0.20%
<i>Cysticercosis:</i>					
Carcases of which some part or organ was condemned ...	—	—	—	—	—
Carcases submitted to treat- ment by refrigeration ...	—	—	—	—	—
Generalised and totally con- demned	—	—	—	—	—

2. Milk

258 samples were taken and the following is a synopsis of the types of examination and the results :—

Examination for Bacterial Cleanliness.

Designation				No. taken	Unsatisfactory
Tuberculin Tested	..	..	..	35	5
Tuberculin Tested (Pasteurised)	..	..	..	29	—
Pasteurised	..	..	..	63	—

Graded Milk. The following annual licences were granted under the appropriate Regulations :—

To retail Tuberculin Tested or Tuberculin Tested Pasteurised Milk	..	..	28
To Pasteurise	..	..	1
To retail Pasteurised or Sterilised Milk	..	..	57
Supplementary, Sterilised Milk	..	..	1

Examination for M. Tuberculosis and Brucella Abortus. 55 supplies were examined. All were negative for M. Tuberculosis ; 3 were positive for Brucella Abortus and 9 positive to the Brucella Ring Test.

The following is a five year comparison table :—

			1955	1956	1957	1958	1959
No. of samples examined	..	..	161	181	181	59	55
M. Tuberculosis — Positive	..	..	1	—	—	—	—
Brucella Ring — Positive	..	..	47	57	40	18	9
Brucella Abortus — Positive	..	..	9	12	7	6	3
Brucella Melitensis — Positive	..	..	1	—	—	—	—
Result incomplete	..	..	21	13	12	1	2

Examination to detect adulteration or abstraction. 76 samples of milk were analysed, details of which are given on page 40.

3. Ice Cream

5 premises are registered for the manufacture of ice cream and 249 premises are registered for the storage and sale of ice cream, mostly pre-packed. 12 new licences were granted during the year.

10 samples were taken and analysed for bacterial cleanliness and all proved to be satisfactory.

Grade I	..	9	Grade III	..	1
---------	----	---	-----------	----	---

The requirements of the Heat Treatment Regulations are rigidly enforced, particularly as regards protecting ice cream from contamination by dust or unclean apparatus etc. during its manufacture, storage or sale. Two contra-ventions were recorded during the year.

72 visits were made to ice cream premises, and manufacturers and retailers of loose ice cream were advised as regards the necessity for, and general use of, detergents and sterilizing agents for the cleansing of cabinets, apparatus and utensils.

4. Other Foods

Requests from local food tradesmen to examine foodstuffs of a doubtful character are received almost daily, and the undermentioned were found to be diseased or unsound and were condemned as being unfit for human food :—

	<i>Tins, Jars, etc.</i>					<i>Other</i>
Peas	14	
Beans	4	
Tomatoes	6	
Other vegetables	1	
Soup, tinned	—	
squares	473	
Meat, fresh		236 lbs.
tinned	248	
bacon		330 lbs.
Meat pies		87
Chickens		123 birds
Turkey	1 bird	
Chicken Pies		22
Fish, wet		919 lbs.
tinned	36	
Fruit, tinned	394	
Juice	1	
Jam, etc.	4	
Milk, tinned	10	
Cake mixture		6 lbs.
Chocolate		22 lbs.
Ice cream		7 gallons

FOOD HYGIENE

The approximate number of trade food premises is shown below :—

(i)	<i>Kind of Business</i>	<i>No.</i>	<i>Per 10,000 Pop.</i>
	Restaurants, cafes	118	16
	Grocers, dairy shops	180	24
	Butchers and fishmongers	87	12
	Fruiterers, greengrocers	66	9
	Bread and flour, confectioners	48	6
	Confectioners, tobacconists, etc.	150	20

- (ii) 88 premises are registered for the manufacture of sausages or potted, pressed, pickled or preserved food for sale.
254 premises are registered for the manufacture, storage or sale of ice cream.
17 premises are registered as dairies.
- (iii) 2,137 inspections were made of food premises, excluding sampling visits.
- (iv) Lectures relating to clean food education were given to traders' associations and other local organisations whenever an opportunity arose.
- (v) Details of meat inspection at the slaughterhouses are given on page 36.
- (vi) Details of foods condemned as being unfit for human consumption on examination at the request of a trader are shown on page 38.

FOOD HYGIENE REGULATIONS, 1955

1,085 premises were inspected to ascertain whether the requirements of the Regulations were being observed. The premises included restaurants, cafes, food shops, canteens and hotel and boarding house kitchens. 60 written notices relating to contraventions, together with a printed abridged synopsis of the Regulations, were posted to traders engaged in the handling of food for public consumption. Verbal requests and advice were also given in a number of instances.

A summary of the defects found is shown below, also in brackets the totals of defects found since the Regulations came into operation.

Absence of :

Adequate supply of hot water	..	..	..	17	(295)
Wash hand basin	..	..	..	8	(200)
Towel, soap, requisites	..	..	..	8	(129)
First aid equipment	..	..	..	5	(160)
Clothing accommodation	..	..	..	4	(64)
"Wash hands" notice	..	..	..	6	(252)
Sink	..	..	..	4	(21)

Defects, cleansing, etc.:

Food rooms requiring cleansing or re-decoration, etc.	..	..	..	37	(164)
Tables and equipment	..	..	..	13	(63)
Improper storage of refuse	..	..	..	6	(34)

Other contraventions :

Lighting or ventilation unsatisfactory	..	..	..	3	(15)
W.C. ventilating into food room	..	..	..	3	(11)
Smoking offences	..	..	..	4	(14)

Complaints relating to unclean food :

15 complaints were received and appropriate action was taken in respect of :—

Bread or Cake

Mouldy	..	..	..	..	..	..	3
Containing—insects	..	..	..	..	..	..	2
„ nail	..	..	..	..	..	..	2
„ discolouration	..	..	..	..	..	..	2
„ string	..	..	..	..	..	..	1
„ wood	..	..	..	..	..	..	1
Meat pie—mouldy	..	..	..	..	..	..	2
Trifle—mouldy	..	..	..	..	..	..	1
Sweets—glass	..	..	..	..	..	..	1

FOOD AND DRUGS ACT, 1955

76 samples were submitted for analysis by the Public Analyst :—

<i>Description</i>	<i>No.</i>					<i>Analysed</i>
Milk, Pasteurised	47
Milk, Channel Islands	16
Cream	10
Ice Cream	2
Tinned Salmon	1

8 samples of churn milk taken on arrival at a local dairy were found to be of sub-standard quality, namely, 3.3% to 5% deficient in milk fat and 2.5% to 4.4% deficient in solids not fat. Further samples proved to be satisfactory.

All other samples were genuine.

ANNUAL REPORT
of the
Meteorological Observations
for 1959

METEOROLOGICAL OBSERVATIONS FOR THE YEAR 1959

The Meteorological Station is in Beach House Park, which is 25.00 feet above Ordnance Datum. Here all the instruments, except the Fortin Standard Barometer and the Sunshine Recorder, are kept.

The shade thermometers, in a Stevenson screen, are:—self-recording maximum, self-recording minimum, dry bulb and wet bulb.

All thermometers are Fahrenheit and are verified at the National Physical Laboratory, Kew.

A self-recording minimum thermometer is used for registering the temperature on the grass.

Three earth thermometers are in use at various depths—1ft. 4ft. and 6ft.

There is an official five-inch Copper Rain Gauge, Meteorological Office pattern, also a Dines Tilting Siphon Automatic Rain Recorder.

The Campbell-Stokes Sunshine Recorder is fixed on a platform at the top of Christ Church Tower, 111 feet above mean sea level and 84 feet above ground level.

All instruments at the local Meteorological Observatory are examined and tested periodically by Officers of the Meteorological Office, Air Ministry, Harrow, Middlesex.

A code report is sent by telephone each evening to the Meteorological Office, London, and the leading newspapers are supplied with reports from that Office.

Weekly reports are sent to the local newspapers, and a full report monthly to the Meteorological Office, Harrow, for publication in their journals. Rainfall statistics are supplied to the British Rainfall Organisation.

The daily weather report of the Air Ministry, the previous day's sunshine card and a collection of charts and records are also exhibited in the windows of the Information Bureau at the Pier.

This report contains statistics showing the means for the year of Barometric pressure, Air and Earth temperatures, Sunshine, Wind and Humidity, compared with the averages for a series of years.

Observations are taken every day throughout the year at 9 a.m. and 6 p.m.

ABSTRACT OF OBSERVATIONS FOR THE YEAR 1959

Total amount of bright sunshine: 2,123.9 hours.
Number of days with sunshine: 320.
Rainfall: 23.47 inches.
Number of rain-days (.01 inch or more): 128.
Number of wet days (.04 inch or more): 98.
Highest barometric reading: 30.927 inches on 17th February.
Lowest reading: 28.769 inches on 27th October.
Warmest day: 9th July (82°).
Coldest night: 11th January (26°).
Coldest day: 10th January (35°).
Warmest night: 20th August (67°).
Warmest months (by day): July and August (average temperature 72°).
Coldest month (by night): January (average temperature 33°).
Mean Temperature: 52.9°.
Mean relative humidity: at 9 a.m. 76.7%.
Lowest temperature on the grass: 20° on 11th January
Wettest days: 13th November and 6th December (.83 inch).
Sunniest day: 17th June (15.3 hours).
Number of days snow or sleet fell: 6.
Number of days hail fell: 10.
Number of days thunder heard: 22.
Number of ground frosts: 63.
Number of days with fog: 3.
Number of days with gales: 9.

BRIGHT SUNSHINE

The duration of bright sunshine for the year was 2,123.9 hours, the sunniest for 10 years.

This amount is 47.4 per cent, of the time during which the sun was above the horizon, giving a daily mean of 5.82 hours. The average yearly sunshine for the previous ten years was 1,836.3 hours. During this period the year with the highest record was 1949, when 2,128.9 hours were recorded, whilst the year 1958 was the lowest with 1601.5 hours. The sunniest day was 17th June when 15.3 hours were recorded.

July, with 326.0 hours, was the sunniest month, and December with 36.1 hours, was the least sunny.

A sunless day is one on which less than 6 minutes of bright sunshine are recorded.

RAINFALL

The rainfall for the year 1959 was 23.47 inches. This amount is 4.02 inches below the Normal and 4.58 inches below the previous ten years' average.

The month of February was the driest with 0.03 inch, falling below the Normal amount by 1.97 inches. December was the wettest month with 6.28 inches, this amount being 3.38 inches above the Normal. The heaviest daily rainfall was 0.83 inch on 13th November and 6th December. There were 128 days on which 0.01 inch or more rain fell, compared with 157 days which is the average number for the previous ten years.

One inch of rainfall is equivalent to 100.925 tons per acre or 14.4686 millions of gallons per square mile.

SUMMER RAINFALL. Total for six months (1st April to 30th September) was 6.42 inches, compared with an average summer rainfall for the previous ten years of 12.81 inches.

WINTER RAINFALL. Total for six months (January to March and October to December) was 17.05 inches, compared with an average winter rainfall for the previous ten years of 15.02 inches.

HUMIDITY

The mean relative humidity of the atmosphere (percentage of saturation of the air) at 9 a.m. was 77%, compared with the previous five year's average of 80%.

BAROMETER

The mean barometric reading for the year was 30.017 inches (when reduced to sea level and to a temperature of 32° Fahr.), the average for the previous five years being 30.004 inches. The highest reading for the year was 30.927 inches on 17th February, and the lowest reading was 28.769 inches on 27th October. The absolute range for the year was 2.158 inches and the average range for the previous five years 1.901 inches.

One inch barometric pressure is equivalent to 70.727 lbs. per square foot.

TEMPERATURE

The mean temperature for the year was 52.9° Fahr. which is 1.9° above the Normal. It was the warmest year since temperature records were commenced in 1881. The highest shade temperature for 1959 was 82° recorded on 9th July, and the lowest 26° on 11th January. The extreme range of temperature was 56° compared with the average range of 58° for the previous five years. The temperature on the grass fell below 30.4° on 63 nights. The lowest temperature on the grass was 20° during the night of 11th January.

EARTH TEMPERATURES. The highest and lowest temperatures at various depths in the earth were as follows:—

<i>Below</i> Surface	<i>Highest</i>	<i>Date</i>	<i>Lowest</i>	<i>Date</i>
1 ft.	68.0°	9th July and 9th Aug.	34.9°	17th January and 14th February
4 ft.	66.2°	8th and 9th Aug.	42.9°	10th-13th February
6 ft.	61.1°	31st Aug. and 17th Sept.	44.9°	19th and 23rd Feb.

WIND

Percentages of direction of wind from 730 observations taken at 9 a.m. and 6 p.m. throughout the year:—

	<i>9 a.m.</i> %	<i>6 p.m.</i> %		<i>9 a.m.</i> %	<i>6 p.m.</i> %
N.	9.4	5.4	S.	10.1	10.0
N.E.	21.4	16.1	S.W.	17.4	27.1
E.	4.4	5.7	W.	10.2	13.6
S.E.	15.3	10.9	N.W.	11.5	10.9
Calm	0.3	0.3			

TABLE 1 — CLOUD AND HUMIDITY

Month.	Cloud Amount Scale 1-8		Mean Relative Humidity	Mean Humidity previous 5 years 1954-1958
	9 a.m.	6 p.m.	9 a.m.	9 a.m.
January	4	5	% 84	% 87
February	5	5	88	83
March	5	5	85	81
April	5	5	76	71
May	4	5	65	72
June	4	4	70	71
July	3	4	66	77
August	4	3	71	79
September	2	3	67	81
October	4	4	78	83
November	6	6	84	83
December	6	6	86	88
Year 1959 ..	4	5	77	Yearly average 80

TABLE 2 — BRIGHT SUNSHINE — 1959

The following is an Extract from the Table of Official Returns of the Meteorological Office, and shows the relative positions of the leading 30 mainland stations in Great Britain and Northern Ireland.

<i>Position</i>	<i>Station</i>				<i>Sunshine (Hours)</i>
1	Littlehampton	..	..	..	2146.1
2	Eastbourne	..	..	..	2132.9
3	WORTHING	..	..	..	2123.9
4	Hayling Island (Hants.)	..	..	..	2122.9
5	Hankham (Pevensey)	..	..	..	2122.5
6	Everton (Hants.)	..	..	..	2103.4
7	Bognor Regis	..	..	..	2094.2
8	Southsea	..	..	..	2091.9
9	Weymouth	..	..	..	2085.2
10	Hastings	..	..	..	2079.4
11	Bournemouth	..	..	..	2077.7
12	Walton-on-Naze	..	..	..	2076.5
13	Torquay	..	..	..	2076.2
14	Folkestone	..	..	..	2062.2
15	Clacton	..	..	..	2057.5
16	Thorney Island (Sussex)	..	..	..	2056.2
17	Penzance	..	..	..	2050.1
18	Brighton	..	..	..	2045.1
19	Dover	..	..	..	2044.3
20	Swanage	..	..	..	2043.6
21	Dale Fort (Pembroke)	..	..	..	2033.0
22	Plymouth Hoe	..	..	..	2032.5
23	Poole	..	..	..	2032.5
24	Margate	..	..	..	2029.3
25	Felixstowe	..	..	..	2028.4
26	Seaford	..	..	..	2023.6
27	St. Mawgan	..	..	..	2022.0
28	Ramsgate	..	..	..	2010.6
29	Chivenor (Devon)	..	..	..	1992.5
30	Milford Haven	..	..	..	1984.6

TABLE 3 — BRIGHT SUNSHINE

Month	Total Hours Bright Sunshine	Average for 30 years 1921-1950	Hours Daily Mean	Percentage of average %	Days with Sunshine	Most in one day Hours	Monthly Totals			
							Highest		Lowest	
							Hours	Year	Hours	Year
January ..	105.3	67	3.40	157	26	7.8	109.9	1940	34.5	1912
February ..	69.1	83	2.47	84	17	9.8	140.3	1949	29.8	1947
March ..	145.0	147	4.68	99	30	11.0	220.8	1907	95.3	1916
April ..	158.9	182	5.30	88	29	12.6	267.2	1912	105.3	1905
May ..	268.2	232	8.65	115	30	14.8	353.1	1909	148.9	1932
June ..	272.5	243	9.08	112	30	15.3	327.1	1957	143.5	1909
July ..	326.0	232	10.52	140	31	15.2	369.0	1911	133.8	1944
August ..	257.1	219	8.29	118	31	13.3	298.4	1899	112.6	1912
September ..	254.5	169	8.48	150	30	12.2	262.6	1898	97.1	1945
October ..	168.9	125	5.45	136	26	10.3	181.6	1919	81.9	1915
November ..	62.2	76	2.07	81	21	8.0	131.3	1909	44.4	1934
December ..	36.2	63	1.16	57	19	6.1	96.0	1946	22.3	1956
Year 1959 ..	2123.9	1838	5.82	115.9	320	15.3	369.0	July 1911	22.3	Dec. 1956
Highest and Lowest Year Totals							2141.0	1899	1600.2	1913

TABLE 4 — BRIGHT SUNSHINE

Year	Campbell-Stokes Recorder Bright Sunshine Hours	Bright Sunshine Days	Sunniest Days	
			Day	Hours
1939	1809.7	310	June 1st	15.4
1940	1976.8	323	July 1st	15.2
1941	1791.7	317	June 25th	15.2
1942	1711.6	312	June 5th	14.8
1943	1864.8	313	June 24th	14.9
1944	1765.5	315	June 24th	14.9
1945	1783.9	309	June 17th	14.8
1946	1790.7	307	July 10th	15.1
1947	1896.8	294	June 10th	14.9
1948	1916.9	319	May 18th	14.9
1949	2128.9	317	July 10th	14.8
1950	1805.4	312	June 16th	15.1
1951	1838.4	297	June 19th	15.1
1952	1917.0	317	June 30th	15.1
1953	1885.1	302	July 24th	14.3
1954	1687.3	301	June 20th	14.4
1955	1936.4	305	May 30, June 1	14.9
1956	1726.7	311	July 25th	14.9
1957	1836.4	307	June 13th	15.5
1958	1601.5	306	May 28, June 14	14.9
1959	2123.9	320	June 17th	15.3
Average for 20 years 1939—1958	1833.6	310		

TABLE 5 — RAINFALL

1959	Total Rain- fall	Difference from the Normal	Greatest Fall in 24 hours beginning 9 a.m.	Number of Days with		Total Rain Days
				.01 in. or more	.04 in. or more	
	ins.	ins.	ins.			
January ..	3.15	+0.21	0.78	14	12	14
February ..	0.03	—1.97	0.03	1	0	1
March ..	1.49	—0.23	0.29	15	10	15
April	2.16	+0.38	0.48	14	13	14
May	0.79	—0.86	0.48	4	4	4
June	0.82	—0.71	0.18	9	7	9
July	1.43	—0.71	0.51	9	6	9
August ..	1.12	—1.16	0.41	5	4	5
September ..	0.10	—2.06	0.10	1	1	1
October ..	2.25	—0.70	0.80	12	7	12
November ..	3.85	+0.41	0.83	18	14	18
December ..	6.28	+3.38	0.83	26	20	26
Year	23.47	—4.02	0.83	128	98	128

TABLE 6 — RAINFALL

Year	Rainfall in inches	No. of Days Rain fell (0.01 inch or more)	Greatest Fall in a Day	
			Amount in inches	Day and Month
1939	34.42	171	1.41	13th October
1940	30.13	148	1.50	3rd November
1941	25.83	139	1.36	4th June
1942	24.62	129	1.06	25th October
1943	23.68	145	1.74	13th January
1944	22.14	136	1.22	20th October
1945	22.98	138	2.05	10th July
1946	30.96	170	2.02	16th August
1947	24.31	139	0.94	10th March
1948	25.23	154	1.41	6th August
1949	23.90	120	1.34	20th October
1950	26.95	157	0.89	20th November
1951	37.98	184	1.40	11th June
1952	28.54	175	1.29	30th September
1953	24.33	125	1.22	12th October
1954	30.28	188	1.81	25th July
1955	24.75	140	1.40	22nd September
1956	24.08	148	0.97	4th September
1957	25.30	162	1.27	3rd November
1958	34.36	169	1.62	28th January
Average for 20 years	27.24	152	2.05	10th July 1945
1959	23.47	128	0.83	13th November 6th December

TABLE 7 — BAROMETRIC PRESSURE AND TEMPERATURE

1959	Barometric Pressure (Reduced to Sea Level and 32° Fahr.)			Air Temperature in Screen					
	Mean Inches.	Extremes.		Means of		Mean of A & B	Difference from Normal	Extremes	
		Highest	Lowest	A Max.	B Min.			Max.	Min.
January	29.939	30.604	29.081	° 44.0	° 33.1	° 38.5	° −2.4	° 51	° 26
February	30.513	30.927	30.220	43.2	34.8	39.0	−1.9	54	29
March	29.940	30.331	29.309	50.9	41.6	46.3	+2.5	54	34
April	29.842	30.428	29.290	55.2	45.1	50.1	+2.1	60	38
May	30.100	30.371	29.615	63.6	48.8	56.2	+2.7	75	41
June	30.139	30.660	29.702	67.1	53.5	60.3	+1.2	73	47
July	30.060	30.364	29.550	72.1	57.9	65.0	+2.5	82	53
August	30.104	30.426	29.736	72.2	59.0	65.6	+3.0	79	50
September	30.172	30.441	29.978	70.9	55.7	63.5	+3.9	79	49
October	30.002	30.539	28.769	62.6	50.6	56.6	+3.7	71	30
November	29.822	30.342	29.119	53.2	43.7	48.5	+2.3	61	33
December	29.568	30.274	29.045	49.6	40.7	45.1	+3.3	53	31
Year 1959	30.017	30.927	28.769	58.7	47.1	52.9	+1.9	82	26

TABLE 8 — WINDS

Month.	9 a.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	6	5	0	3	1	7	0	9	—
February	3	9	2	2	0	6	3	2	1
March	2	4	3	5	5	7	3	2	—
April	3	2	2	6	2	6	6	3	—
May	2	17	1	6	0	3	0	2	—
June	2	4	2	4	2	9	3	4	—
July	3	7	0	4	5	6	5	1	—
August	5	8	1	6	1	3	3	4	—
September	2	15	3	6	1	0	1	2	—
October	0	1	2	9	4	4	6	5	—
November	3	3	0	2	7	6	5	4	—
December	2	3	0	3	9	7	3	4	—
Year 1959 ..	33	78	16	56	37	64	38	42	1

Month.	6 p.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	1	4	3	2	3	5	3	10	—
February	3	11	3	1	0	3	4	2	1
March	2	6	3	3	3	7	6	1	—
April	3	1	1	4	7	5	7	2	—
May	2	11	2	2	2	8	3	1	—
June	0	0	1	5	2	14	4	4	—
July	3	3	0	4	3	11	6	1	—
August	0	4	0	6	1	13	4	3	—
September	1	12	3	3	5	5	1	0	—
October	1	1	4	6	1	7	5	6	—
November	2	4	0	2	5	8	4	5	—
December	2	2	1	2	3	13	3	5	—
Year 1959 ..	20	59	21	40	35	99	50	40	1

MONTH	FOG					MIST OR HAZE				GOOD VISIBILITY											
	A		B & C		D & E	F		G	H	I		J		K		L		M			
	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	
January ..	—	6	—	6	1	4	4	2	5	3	6	9	6	7	5	4	1	—	—	6	6
February ..	—	1	1	1	2	7	5	7	4	5	2	4	2	3	2	—	—	—	—	—	—
March ..	—	—	—	—	1	1	—	2	6	3	4	4	5	12	2	5	4	1	5	6	6
April ..	—	—	—	—	—	—	—	3	3	2	7	10	4	5	4	7	4	1	4	5	5
May ..	—	—	—	—	—	—	—	—	2	1	6	7	11	6	9	10	2	2	1	5	5
June ..	—	—	—	—	—	—	—	1	—	1	2	—	10	6	12	5	2	4	4	13	13
July ..	—	—	—	—	—	—	—	1	1	—	1	5	3	—	14	6	6	13	6	6	6
August ..	—	—	—	—	—	1	—	2	—	1	6	2	11	8	6	7	4	3	3	8	8
September ..	—	—	—	—	—	—	—	—	—	—	10	6	7	4	7	3	3	9	3	8	8
October ..	—	—	—	—	—	1	—	1	1	1	10	11	6	5	6	7	3	3	3	3	3
November ..	—	—	—	—	—	1	—	2	3	4	8	11	9	4	3	5	4	2	1	2	2
December ..	—	—	—	—	1	—	—	—	3	4	10	9	10	7	5	7	2	2	—	1	1
Year 1959 ..	—	1	1	1	8	5	15	9	11	21	28	25	72	83	65	80	57	35	40	30	58

KEY TO TABLE 9 — VISIBILITY

Letter	Standard Distance	Actual Distance	Description of visibility	Object	View Point	Bearing
A	22 yards	21 yards	Dense Fog	Chestnut tree on opposite side of road	Office Door	S.E.
B	44 yards	45 yards	Thick Fog	Chestnut tree outside entrance to "Ryecroft"	Office Gate	E.
C	110 yards	110 yards	Thick Fog	N.W. corner of Town Hall	Office Gate	E.
D	220 yards	220 yards	Fog	Christ Church Tower	Office Window	S.
E	440 yards	430 yards	Moderate Fog	Holy Trinity Church Spire	Christ Church Tower	S.W.
F	1100 yards	1100 yards	Very Poor	Heene Church Tower	" "	W.
G	1½ miles	1¼ miles	Poor	Tarring Church Tower	" "	N.W.
H	2½ miles	2¾ miles	Moderate	Top of High Salvington Hill	" "	N.W.
I	4½ miles	4¼ miles	Moderate	Highdown Hill	" "	W.N.W.
J	6¼ miles	6⅝ miles	Good	Portslade Gas Works Chimney	" "	E.
K	12½ miles	12½ miles	Very Good	Hills beyond Brighton	" "	E.
L	18¾ miles	18¼ miles	Very Good	Selsey Bill	" "	W.S.W.
M	25 miles	27 miles	Excellent	Beachy Head	" "	E.S.E.

TABLE 10 — CLIMATE OF WORTHING — 1901-1959

	Temperatures							Rainfall		Sunshine	Year
	Means					Extremes		Amount at Observ- atory	Number of days rain fell	Number of hours in year	
	9 a.m.	Min.	Max.	Range	Mean	Min.	Max.				
Degrees							Inches				
..	50.2	43.6	55.8	12.2	49.7	22.9	80.7	21.45	139	2017.0	..1901
..	50.2	43.6	55.0	11.1	49.6	21.8	78.0	23.77	157	1661.7	..1902
..	50.9	45.2	55.4	10.2	50.3	23.7	78.2	32.19	189	1749.2	..1903
..	50.4	44.3	55.5	11.2	49.9	23.8	77.4	26.85	163	1748.4	..1904
..	50.1	42.2	55.6	11.4	49.1	23.9	77.1	24.63	162	1715.3	..1905
..	50.6	44.3	56.1	11.8	50.2	24.9	78.6	30.44	173	2010.6	..1906
..	50.2	45.1	54.8	9.5	50.0	20.4	76.1	21.78	158	1776.8	..1907
..	50.9	44.1	56.1	12.1	50.1	16.0	80.2	22.15	146	1991.3	..1908
..	49.7	43.0	54.6	11.6	48.8	19.9	81.2	32.11	178	1958.6	..1909
..	50.8	44.5	55.9	11.5	50.1	21.9	73.8	32.57	191	1731.0	..1910
..	52.8	45.1	58.0	12.9	51.5	25.4	87.9	31.68	149	2115.0	..1911
..	51.6	45.0	56.6	11.6	50.8	19.0	84.2	35.95	192	1609.9	..1912
..	52.1	45.9	57.4	11.5	51.6	26.2	79.0	34.98	170	1600.2	..1913
..	52.7	45.2	57.9	12.7	51.5	23.2	78.2	31.31	164	2000.5	..1914
..	51.1	43.8	56.3	11.8	50.5	24.7	77.1	36.64	152	1801.3	..1915
..	51.2	44.7	56.3	11.6	50.5	25.0	77.0	32.89	182	1658.0	..1916
..	49.2	43.0	54.6	11.6	48.8	20.7	79.0	25.49	147	1804.7	..1917
..	51.0	44.7	56.5	11.8	50.6	20.0	78.0	24.41	165	1856.5	..1918
..	49.4	42.9	54.9	12.0	48.9	22.0	78.5	28.54	158	1788.5	..1919
..	51.7	45.6	56.6	11.0	51.1	23.0	76.0	26.40	139	1692.1	..1920
..	53.4	46.4	58.8	12.4	52.6	27.6	86.7	13.26	108	2101.5	..1921
..	50.1	43.9	54.8	10.9	49.3	25.2	78.2	25.71	159	1781.2	..1922
..	50.8	44.5	55.6	11.1	50.1	24.0	86.0	30.62	170	1805.9	..1923
..	50.8	45.4	55.3	9.9	50.3	25.0	74.6	32.65	159	1759.6	..1924
..	49.8	44.7	55.9	11.2	50.3	24.0	80.2	34.70	158	1955.8	..1925
..	51.6	45.7	56.7	11.0	51.2	21.8	83.3	28.57	160	1677.7	..1926
..	50.8	45.0	55.8	10.8	50.4	22.4	78.1	34.88	165	1731.4	..1927
..	51.9	45.1	57.0	11.9	51.0	21.6	82.0	32.84	161	1999.1	..1928
..	50.9	44.1	56.0	11.9	50.0	13.0	80.0	29.71	134	2062.5	..1929
..	52.0	46.9	56.4	9.5	51.3	26.0	82.6	28.31	169	1821.4	..1930
..	51.0	45.0	55.0	10.0	50.0	21.0	77.0	25.80	147	1610.5	..1931
..	50.5	45.1	55.8	10.7	50.5	23.0	80.0	23.91	148	1616.7	..1932
..	52.0	45.5	56.4	10.9	51.2	23.6	81.2	20.40	125	2102.6	..1933
..	52.1	45.6	57.5	11.9	51.8	24.0	82.0	27.49	139	1811.0	..1934
..	51.8	46.1	56.6	10.5	51.3	25.6	83.8	37.74	173	1805.2	..1935
..	51.3	45.4	55.9	10.5	50.7	27.1	81.3	27.42	169	1675.0	..1936
..	51.5	46.3	57.2	10.9	51.8	26.0	76.8	31.59	162	1668.3	..1937
..	52.7	46.1	57.1	11.0	51.6	19.5	82.5	22.95	156	1796.4	..1938
..	51.8	45.8	56.5	10.7	51.2	20.0	81.5	34.42	171	1809.7	..1939
..	50.0	45.0	56.0	11.0	50.5	16.0	80.0	30.13	148	1976.8	..1940
..	50.3	44.0	56.0	12.0	50.0	22.0	83.0	25.83	139	1791.7	..1941
..	50.0	44.8	55.3	10.5	50.5	19.0	83.0	24.62	129	1711.6	..1942
..	52.0	46.0	58.0	12.0	52.0	28.0	80.0	23.68	145	1864.8	..1943
..	51.3	45.4	56.2	10.8	50.8	26.0	81.0	22.14	136	1765.5	..1944
..	52.5	46.5	57.2	10.7	51.2	19.0	80.0	22.98	138	1783.9	..1945
..	51.6	45.5	55.7	10.2	50.6	23.0	76.0	30.96	170	1790.7	..1946
..	51.3	45.7	56.1	10.4	50.9	15.0	90.0	24.31	139	1896.8	..1947
..	52.6	46.6	57.6	11.0	52.1	17.0	88.0	25.23	154	1916.9	..1948
..	53.3	47.2	58.4	11.2	52.8	29.0	81.0	23.90	120	2128.9	..1949
..	52.1	46.1	56.7	10.6	51.4	24.0	81.0	26.95	157	1805.4	..1950
..	51.9	46.0	56.3	10.3	51.2	22.0	76.0	37.98	184	1838.4	..1951
..	50.7	45.0	56.0	11.0	50.2	23.0	82.0	28.54	175	1917.0	..1952
..	51.9	46.2	57.1	11.1	51.7	25.0	80.0	24.33	125	1885.1	..1953
..	51.0	45.3	56.0	10.7	50.7	18.0	75.0	30.28	188	1687.3	..1954
..	51.0	44.8	56.4	11.6	50.6	25.0	84.0	24.75	140	1936.4	..1955
..	49.9	44.2	55.0	10.8	49.6	16.0	77.0	24.08	148	1726.7	..1956
..	52.2	46.8	57.1	10.3	51.9	30.0	82.0	25.30	162	1836.4	..1957
..	50.8	45.9	55.5	9.6	50.7	23.0	77.0	34.36	169	1601.5	..1958
..	53.1	47.1	58.7	11.4	52.9	26.0	82.0	23.47	128	2123.9	..1959

NATIONAL HEALTH SERVICE ACT, 1946

Part III Services

The day-to-day administration of the Part III Services provided under the National Health Service Act is delegated to the Worthing County Health Sub-Committee. This section summarises the work carried out in the Borough during the year.

SECTION 22. CARE OF MOTHERS AND YOUNG CHILDREN

Child Welfare Centres :

There are five Child Welfare Centres in the Borough situated as follows:—

- (1) The Central Clinic—Monday and Friday afternoons.
- (2) Church Hall, Durrington—Second and fourth Thursday afternoons in each month.
- (3) St. Mary's Hall, Goring—Second and fourth Thursday afternoons in each month.
- (4) St. Richard's Hall, Maybridge—First, third and fifth Thursday afternoons in each month.
- (5) Vale School, Vale Walk, Findon Valley—First and third Wednesday afternoons in each month.

1,262 infants and children made a total of 8,620 attendances at all centres during the year. The number of infants who first attended at the centres during the year whilst they were under one year of age was 613, equivalent to 86.6 per cent. of the notified live births.

Ante- and Post-Natal Clinics :

The following is a summary of attendances, etc., at these clinics:—

Medical Officer's Clinic:

No. of clinics	..	..	..	..	23
New cases	..	..	..	..	66
Total attendances	..	..	..	..	121
Average attendance per session			..	..	5.3

Midwives' Clinic:

No. of clinics	..	..	..	..	44
New cases	..	..	..	..	118
Total attendances	..	..	..	..	455

Ante-Natal Relaxation Exercises Clinic:

New cases	..	..	..	..	51
Total attendances	..	..	..	..	295

DENTAL SERVICE

The following tables give details of the treatment carried out during the year:—

(a) Numbers provided with dental care:

	Examined	Needing treatment	Treated	Made dentally fit
Expectant and Nursing Mothers ..	10	7	6	5
Children under five	199	52	52	48

(b) Forms of dental treatment provided:

	Extractions	General Anæsthetics	Fillings	Scalings or Scaling and gum treatment	Silver Nitrate treatment	Crowns or Inlays	Radiographs	Dentures provided	
								Complete	Partial
Expectant and Nursing Mothers	18	1	18	4	—	—	—	—	—
Children under five	55	21	168	—	—	—	—	—	—

Dental X-rays are carried out at Worthing Hospital and arrangements exist for the supply of dentures locally.

CARE OF PREMATURE INFANTS

All infants weighing up to $5\frac{1}{2}$ lbs. at birth are included under this heading and in Worthing a special note is made on the notification of birth cards in respect of all infants whose birth weight is $5\frac{1}{2}$ lbs. or less.

Special arrangements for the care of premature infants in their own homes are made within the Midwifery and Health Visiting Services, and infants who cannot be cared for at home are admitted to hospital.

Premature infants born in hospital are notified to the Department on discharge and are kept under supervision by the Health Visitors and invited to attend the Welfare Centres.

Fifty three premature live births were notified, of which eight occurred at home. Seven premature still-births were also notified.

SECTION 23. MIDWIFERY

The following is a summary of the work of the domiciliary midwives:—

Confinements attended—				
as midwife	..	..	..	145
as maternity nurse	..	..	..	53
Analgesia administered—				
as midwife	..	..	..	122
as maternity nurse	..	..	..	48
Pethidine administered—				
as midwife	..	..	..	99
as maternity nurse	..	..	..	35
Nursings—				
as midwife	..	..	..	3,448
as maternity nurse	..	..	..	345
Ante-natal visits	..	..	..	1,728

Notification of Births. 708 live births and 18 still-births were registered during the year.

SECTION 24. HEALTH VISITING

Seven Health Visitors devote half their time to duties connected with the Health Services provided under Part III of the National Health Service Act, 1946.

The following are details of visits made by the Health Visitors during the year:—

Expectant and nursing mothers—total visits	..	..	200
First visits to infants under 1 year of age	..	..	668
Re-visits to infants under 1 year of age	..	..	1,939
Children 1-5 years—total visits	..	..	2,876
Infectious disease visits	..	..	89
Tuberculosis visits	..	..	119
Visits to aged and infirm persons	..	..	1,284
Visits in connection with domestic help service	..	..	593
Other visits	..	..	210
Total No. of families or households visited	..	..	2,843

SECTION 25. HOME NURSING

The services of the Home Nurses are provided on the recommendation of a doctor to any patient requiring such service. The nursing staff at the 31st December comprised an Area Nursing Officer, 14 full-time and 3 part time Home Nurses. There were three vacancies.

The following table gives particulars of the number of cases dealt with during the year under review:—

No. of cases attended by Home Nurses..	..	..	2,404
No. of visits paid by Home Nurses	..	..	73,558

SECTION 26. VACCINATION AND IMMUNISATION

Vaccination :

(a) Smallpox

Vaccinations are carried out by Practitioners as a part of the General Medical Service, and a fee is payable by the County Council for the Record of the vaccination which the Practitioner supplies in each case.

The following table gives details of the vaccinations carried out during the year:—

Number of persons vaccinated (or re-vaccinated)

Age at date of vaccination	Under 1	1	2 to 4	5 to 14	15 or over	Total
Number vaccinated . . .	381	27	19	22	37	486
Number re-vaccinated . . .	—	—	9	40	251	300

(b) Poliomyelitis

The following table gives details of the work carried out at the Central Clinic during the year:—

1st injections	..	..	..	..	1,884
2nd injections	..	..	..	..	2,022
3rd injections	..	..	..	..	3,449

In addition, record cards were received from General Practitioners in respect of 3,619 persons who had been given two injections, and for 3,977 persons who had been given three injections.

182 record cards with two injections and 110 record cards with three injections completed for hospital staffs and other priority groups were also received during the year.

Number of persons vaccinated since the commencement of the scheme:—

	At Central Clinic	By General Practitioners	Hospital Staff & Priority Groups	TOTAL
Two injections completed ...	5,987	7,375	451	13,813
Three injections completed	4,071	3,977	110	8,158
GRAND TOTAL				21,971

Immunisation :

Number of persons immunised against Diphtheria and Whooping Cough during the year.

	0-5 years	5-15 years	Total
Diphtheria	34	7	41
Whooping Cough	4	—	4
Diphtheria and Whooping Cough (combined)	476	10	486

In addition 123 children received reinforcing injections — 63 diphtheria, and 60 diphtheria and whooping cough (combined).

SECTION 27. AMBULANCE SERVICES

The St. John Ambulance Brigade acts as agent for the County Council in operating the Ambulance and Hospital Car Services in the Borough of Worthing.

During the year the Worthing Ambulance Division carried 9,678 patients, covering a total distance of 79,771 miles.

SECTION 28. PREVENTION OF ILLNESS, CARE & AFTER-CARE

1. *Tuberculosis :*

The Health Visitors continued to attend at the Chest Clinics held at Worthing Hospital. They also made 119 visits to patients in their own homes.

The Worthing Area Committee of the Sussex Rural Community Council has met quarterly and has been instrumental in helping a number of patients and their families.

2. *Care and After-Care :*

Close liaison exists between the Hospital Almoners, the County Care Almoner and the Health Visitors, and numerous visits were made to chronic sick cases and aged persons (see Health Visitors' statistical table).

3. *Prevention of Illness :*

The Health Visitors continued to play an important part in health education during the year; in addition, exhibition stands relating to various aspects of the Health Services were erected in the clinics, and the Medical Officer of Health either arranged or gave a number of talks to local organisations in the Borough.

SECTION 29. DOMESTIC HELP

This service continues to provide Domestic Help in cases of illness, aged persons, maternity cases and other cases of need. Applications for help are only approved on the recommendation of a doctor or midwife, and all circumstances are carefully investigated in order to assess the amount of help required.

A charge is made for the services of a Domestic Help, the amount being determined according to the financial circumstances of the applicant.

<i>Applications for Assistance</i>	<i>Maternity Cases</i>	<i>Tuber- culosis Cases</i>	<i>Chronic Sick inc. aged & infirm Cases</i>	<i>Other Cases</i>	<i>Total</i>
(a) No. of cases receiving assistance at 1st January, 1959	4	3	257	60	324
(b) No. of new applications received	75	3	228	220	526
(c) No. of cases in (b) assisted	58	2	220	208	488
(d) No. of cases in (b) approved, but for which assistance was not available	—	—	—	—	—
(e) No. of cases in (b) not approved	—	—	4	—	4
(f) No. of applications in (b) withdrawn:					
(i) Before arrangements made	13	1	2	6	22
(ii) After arrangements made	4	—	2	6	12
(g) No. of cases in (a) and (b) completed during the year	62	2	209	185	458
(h) No. of cases receiving assistance at end of year	—	3	268	83	354

Number of Domestic Helps employed at 31st December, 1959:—

(a) Whole-time—0: (b) Part-time—52.